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Eastern Vascular Society Research Proposal

Part 1: Administrative Information and Summary

1. Title of protocol

Randomized Control Trial of Venous Stenting versus Ablation in Patients with Chronic Venous Insufficiency

2. Contact information

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3. Facilities and Other Resources Statement

This study will take place at our outpatient vascular clinic, the Vascular Institute of New York, in Brooklyn, NY.

Our research is not funded by any outside funding agency. None of the personnel listed on this protocol, their spouses/same sex partners, or dependent children have any significant financial interests that are reasonably related to this research. None of the personnel, their spouses/same sex partners, or dependent children have any personal financial interest or commitment with any company or entity that sponsors or supports this research.

3. Summary/Abstract/Aims

Chronic venous insufficiency (CVI) is a highly prevalent condition affecting approximately 25 million adults in the United States. Patients with this disease may initially present with complaints of leg pain, heaviness, and varicose veins. As this condition progresses, CVI may cause leg swelling, skin changes, and venous ulcers, each subsequently decreasing patient quality of life and increasing the need for therapeutic intervention. CVI is most prevalent in Western countries and has been identified as a significant financial burden on healthcare

systems. It is estimated that the annual cost of venous ulcer care consumes just under 2% of healthcare budgets of Western countries, costing these systems nearly \$3 billion each year.

For many decades, the treatment of CVI has been focused on treating venous reflux using techniques such as radiofrequency ablation (RFA) and endovenous laser ablation (EVLA). More recently, the advent of intravascular ultrasonography (IVUS) and venous stenting has expanded the CVI treatment paradigm. Numerous studies exist validating the efficacy of iliac vein stenting and venous ablation as independent procedures for treating patients with CVI. However, there is a paucity of data comparing the efficacy of both treatment modalities. As of today, there have been no prospective randomized trials comparing venous stenting and venous ablation. The purpose of this study is to compare the two main contemporary treatment options for chronic venous insufficiency, iliac vein stenting and infrainguinal venous ablation, and to determine if one therapy is clinically superior to the other. We believe this potential landmark study will help us determine the best way to treat patients with chronic venous insufficiency and believe these results can help shape future best practice guidelines.

Part 2: Public Health Relevance and Background

Chronic venous insufficiency (CVI) is the most common type of vascular disease with an estimated prevalence of approximately 25 million people in the United States, approximately five times more than peripheral arterial disease.¹ This condition significantly impacts patient quality of life (QoL) and has a substantial financial burden on healthcare systems.^{2,3} CVI is characterized by lower extremity swelling, skin changes, and venous ulceration. Symptoms of CVI occur as a result of ambulatory venous hypertension caused by valvular reflux, central venous obstruction, or a combination of both. Minimally invasive endovenous techniques targeting both of these etiologies have largely replaced open surgical procedures for treating patients with CVI.

Many therapies are available for treating superficial venous reflux. Endothermal heat ablation techniques such as radiofrequency ablation (RFA) and endovenous laser ablation (EVLA) are often considered the treatment of choice. Studies have shown that RFA and EVLA are durable, efficacious, and can be safely performed in all ages.^{4,5,6} Both procedures achieve excellent ablation rates and are associated with higher patient satisfaction and lower complications rates compared to traditional vein stripping.^{7,8} Both therapies are considered comparable with no significant difference in procedural success rates and low, albeit statistically significant, difference in complication rates.

For many decades, the treatment of CVI has been focused on treating venous reflux. The advent of intravascular ultrasonography (IVUS) and venous stenting has expanded the CVI treatment paradigm. These advances in diagnostics and technique have enabled patients to be treated for obstructive pathologies of CVI such as nonthrombotic iliac vein lesions and postthrombotic syndrome.⁹ Venous stenting yields long-term patency rates and significant reduction in pain, swelling, ulcer recurrence, and deep venous reflux.^{10,11} A recent prospective, randomized study that showed patients that received medical therapy and underwent iliac vein stenting had a significant increase in QoL and degree of symptom resolution compared to patients that received medical therapy alone.¹²

Numerous studies exist validating the efficacy of iliac vein stenting and venous ablation as independent procedures for treating patients with CVI. However, there is a paucity of data comparing the efficacy of both treatment modalities. In an attempt to compare the clinical outcomes of both treatments, our research group conducted a prospective qualitative study of patients that received both ablation and stenting procedures to assess if they believed both procedures helped equally, one procedure was superior to the other, or if neither procedures helped. Our preliminary retrospective results showed that regardless of which intervention was performed first, neither procedure was superior to the other and that 16% of patients believed none of the treatments helped.

As of today, there have been no prospective randomized trials comparing venous stenting and venous ablation. We believe this study will help us determine the best way to treat patients with chronic venous insufficiency and believe these results can help shape future best practice guidelines.

Part 3: Study Design, Methods and Procedures

As of today, many studies exist validating the efficacy of iliac vein stenting and venous ablation as independent procedures for treating patients with CVI. However, there is a paucity of high quality data comparing the efficacy of both treatment modalities; no prospective randomized control trial comparing venous stenting and venous ablation have been conducted. We believe the results from this study will provide greater insight on the best clinical practices for treating patients with combined obstructive-reflux chronic venous insufficiency.

This will be a single-center, open, prospective, randomized control trial. Estimated total duration of the study: **2 years +/- 3 months**. Enrollment period: 1 year

PRODUCTS

1. VENOUS WALLSTENT (Boston Scientific, Marlborough, MA).
2. ClosureFast RFA catheter (Covidien, San Jose, CA)
3. VenaCure EVLT NeverTouch Direct (AngioDynamics Inc., Queensbury, NY)

ASSESSMENT TOOLS

1. Revised Venous Clinical Severity Score (rVCSS)
2. 36-Item Short Form Survey (SF-36)

To objectively compare the clinical outcomes of both procedures, we will use the revised Venous Clinical Severity Score (rVCSS) and 36-Item Short Form Survey (SF-36) assessment tools to track clinical improvement in patients from their preprocedural baseline visit to their subsequent follow-up appointments. Additional parameters we will evaluate between treatment groups include procedural and periprocedural complications and adverse events, financial costs of procedure devices used, symptom recurrence, redo procedures, and stent patency rates.

AIMS/OUTCOMES

1. Primary Endpoint

- To compare the preprocedural (baseline visit) and postprocedural (3- and 6-month visits) changes in Revised Venous Clinical Severity Score (rVCSS) and 36-Item Short Form Survey (SF-36) in both treatment groups.
 - rVCSS - higher scores indicate worse clinical outcomes
 - SF-36 - higher scores indicate a more favorable health state

2. Secondary Endpoints

- All participants

- Procedural/periprocedural complications including major bleeding (access site bleeding requiring transfusion or intervention within 30 days of procedure), pulmonary embolism, early thrombosis, and 30-day all-cause mortality
- Minor complications including haematoma/ecchymosis, DVT, SVT, infection, hyperpigmentation, skin burn, nerve damage, and 'other.'
- Primary sustained clinical success after 3 and 6 months (visits 3 and 4)
 - Absence of complications without the need for repeated intervention assessed at the most recent follow-up
- Cost of procedural devices used
- Ablation group
 - Varicose vein recurrence (clinical recurrence or ultrasound detected recurrence Duplex >3 mm, recanalization reflux >500 ms) and pattern of reflux (failed vein obliteration) at 1-week and subsequent 3 month follow-up visits
 - Re-do ablation procedures for symptomatic recanalized veins
- Stenting group: primary and secondary patency rates (patency defined as <50% diameter stenosis)
 - Symptom recurrence
 - Primary patency rates at 3-month follow-up using duplex imaging
 - Secondary patency rate after 3- and 6-month follow-up

METHODS

1. Consecutive patients meeting inclusion criteria that are recruited into this study will undergo a history and physical examination and imaging during their first visit. They will be assigned a CEAP score and will complete baseline rVCSS and SF-36 assessment tools. Patients will be asked to complete the SF-36 survey. Patients will be randomized into treatment groups (iliac vein stenting or infrainguinal venous ablation) using pre-made sealed envelopes.
2. All patients will undergo their assigned treatment. Patients will receive treatment in one or both legs as clinically indicated.
 - a. Patients randomized to the venous endothermal ablation groups will either undergo radiofrequency ablation or endovenous laser ablation based on insurance authorization. The **ClosureFast RFA catheter (Covidien, San Jose, CA)** or **VenaCure EVLT NeverTouch Direct (AngioDynamics Inc., Queensbury, NY)** will be used.
 - b. Patients randomized to the iliac venous stenting group will receive **VENOUS WALLSTENT (Boston Scientific Corporation)**.
3. Subjects will follow-up at our outpatient office at 1 week post-procedure for assessment. Subsequent follow-up will be scheduled at 3, 6, 9, and 12 months post-procedure. Patients will undergo a clinical examination and venous imaging at each visit and will complete a rVCSS and SF-36 at each follow-up visit. Patients will be evaluated for the occurrence of any major or minor complications or adverse events.

4. **6 month option to crossover treatment group:** Subjects with persistent leg symptoms will have the option of crossing over to the other treatment group to receive the alternative therapy. Follow-up appointments will similarly be scheduled at 1 week, 3 months, and 6 months following the last procedure date in the new treatment group. The rVCSS and SF-36 assessment tools will be completed at each visit. A subject's enrollment in the study will end at 1 year +/- 3 months from their date of enrollment.

Please see Informed Consent Form.

Part 4: Participants, Recruitment and Environment

1. Estimated number of participants to be recruited and method

200 participants. If the eligibility of the subject changes between the time of consent and procedure, they will be considered a screen failure. The subject's participation will not be counted towards recruitment for the study.

Consecutive patients meeting inclusion criteria will be recruited for this study as they present to our vascular surgery outpatient office, the Vascular Institute of New York.

2. Describe the inclusion or exclusion criteria for participants as applicable in this study.

Inclusion criteria:

- Subjects willing to participate in the study and able to provide written informed consent
- Male or non-pregnant females ≥ 40 years of age at time of consent with Clinical, Etiology, Anatomy, and Pathophysiology (CEAP) clinical class of C3-C6
- Diagnosis of CVI with combined obstructive-reflux etiology defined as
 - Significant iliac venous obstruction of the deep venous system due to nonthrombotic iliac vein lesions (50% relative reduction in cross-sectional area of the vein as measured on IVUS)
 - Significant venous reflux of the superficial venous system (retrograde flow of >500 ms in greater, small, and/or accessory saphenous veins as measured on duplex imaging)
- Failed at least 3 months of conservative treatment (compression stockings, leg elevation etc.)
 - Exceptions to this include the presence of bleeding varices, venous ulcers, or recurrent phlebitis
- Eligible for venous ablation procedure: either radiofrequency ablation (RFA) or endovenous laser ablation (EVLA) therapy
- Willing and able to take intraprocedural and post-procedural anticoagulation medication

Exclusion criteria:

- Subjects unable to understand or unwilling to provide written informed consent
- Pregnancy, breast feeding, or planned pregnancy (women of childbearing age must have a negative pregnancy test within 7 days of enrollment)
- Life expectancy <1 year
- Concurrent arterial insufficiency with an ankle-brachial index of <0.6
- Class IV NYHA
- Previous surgical or endovenous procedure involving the study leg(s) or inferior vena cava including but not limited to
 - IVC filter placement, venous ablation(s), implantation of venous stent(s), venovenous bypass, vein stripping, or other injury requiring additional intervention
- Metal allergy precluding stent implantation

- Post-thrombotic syndrome or thrombotic etiologies of venous obstruction (e.g. May Thurner, DVT, etc.)
- Known history of thrombophilia, known hypercoagulable condition, or other hematologic disorders associated with high risk of bleeding (e.g. protein C or S deficiency, antithrombin III deficiency, presence of lupus anticoagulant, etc.)
- Previous superficial thrombophlebitis of the target saphenous vein in the study leg
- Venous compression caused by tumor encasement
- Venous outflow obstruction caused by tumor thrombus
- Any other existing conditions that would make the subject not suitable for venous stenting and infrainguinal ablation
- Any subject the investigators believes would not benefit, would not be appropriate, or would be at high-risk for non-compliance with this protocol

3. Tasks that the participants will be asked to perform for each phase of the study.

Participants will be asked to follow the protocol as outlined in the informed consent form (including but not limited to attending follow-up appointments, completing rVCSS and SF-36 assessments at each office visit, and reporting the study doctor/research team of any side effects they encounter).

Please see the Informed Consent Form.

4. Estimate of the time commitment from each participant

1 year +/-3 months from the subject's date of enrollment in the study.

Part 5: Risks and Benefits

1. Potential risks that are involved

Potential risks include:

Iliac stenting: hemorrhage, dissection, infection, distal emboli, contrast media reactions, graft rupture, graft thrombosis or occlusion, vein rupture or occlusion, vein perforation, suture disruption of anastomosis, thromboembolism, stent migration or misplacement, and vasospasm.

Ablation (RFA + EVLA) group: damage to surrounding tissue, infection, vessel perforation, hematoma, phlebitis, bleeding, nerve damage, thrombosis, non-target irradiation, skin burns, visceral injury, increased pain, pulmonary embolism, hemothorax, pneumothorax, hemorrhage, and hematoma.

Potential risks of this study are no different than the standard complications and adverse events associated with conventional surgical operations (percutaneous transluminal angioplasty, stent deployment, radiofrequency ablation, endovenous laser ablation).

Please see the Informed Consent Form.

2. Steps that will be taken to minimize risks or harms and to protect the welfare of participants

DATA MANAGEMENT

There are no protected populations enrolled in this study. The care that is being rendered is standard therapy for venous insufficiency. Patients will be monitored at scheduled follow-up appointments for any adverse effects/events, as is our routine clinical practice. The Vascular Institute of New York number is 718-438-3800 and is answered daily Monday to Saturday from 8:00 AM to 5:00 PM and on Sundays from 9:00 AM to 4:00 PM for any patient questions or concerns.

Institutional Review Board (IRB) approval will be obtained. Written Informed Consent will be obtained for all patients who are potential study candidates. Patients who meet the study inclusion/exclusion entry criteria will be invited to enroll in the study, and asked to sign the IRB-approved Informed Consent form before any study-specific tests or procedures are performed. A member of the research team will go through the form with the potential participant and answer any questions they may have. If a patient agrees to participate in the study and signs an informed consent form, the Investigator may determine that the patient is not a suitable candidate for the study. Please see Informed Consent Form.

An independent Data Safety Monitoring Board consisting of one/several member(s) of the research team not

directly involved with patient care will perform the data safety monitoring for this study. Interim analyses will be conducted every 3 months to review data and determine if one treatment group is demonstrably superior to the other or if both treatment groups are performing comparably. In these situations, the study will be stopped early and the results will be reported and published.

We will create and use an electronic database to store study data collected. This will be on our computer only accessible to members of the research team/staff. We will record only relevant data points to our study. We will collect completed SF-36 and rVCSS paper forms from the patient and transfer the data into online records using our computer system which has security and password locks as is standard security measures at our office. Hard copies of the completed assessment tools will be kept in locked folders. Upon completion of the study, the data collected will be destroyed.

All members of the research team will collaborate to maintain data safety and integrity at our office. Access to any data pertaining to the study will be restricted to approved research team members/staff.

3. Benefits that individuals may reasonably expect from participation.

None.

Part 6: Budget Request

We are requesting \$3,000 for the statistical analysis support of this research study.

We have no other financial requests for this project.

Financial support for the products used in this study including: VENOUS WALLSTENT (Boston Scientific, Marlborough, MA), ClosureFast RFA catheter (Covidien, San Jose, CA), and VenaCure EVLT NeverTouch Direct (AngioDynamics Inc., Queensbury, NY), will be provided by the insurance companies of enrolled participants.

Part 7: Bibliography

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Sample Consent Form

Title of Study: “Randomized Control Trial of Venous Stenting versus Venous Ablation in Patients with Chronic Venous Insufficiency”

Your Consent

You are invited to take part in a research study at the Vascular Institute of New York. The purpose of this study is to compare two commonly used procedures for treating symptomatic varicose veins: venous ablation and venous stenting. This consent form will provide you with information about the study, the procedures performed, and any potential risks involved in the study. Please read this consent form carefully so that you can decide if you want to take part in the study.

This consent form may contain words that you do not understand. Please ask the study doctor or a member of the research team to explain any words or information that you do not clearly understand. Ask the study doctor or a member of the research team about any questions that you may have about this study or if you would like more information. You can talk to anyone you feel comfortable with about this consent form before making a decision to participate in this study.

You do not have to be in the study. Your participation in this research is entirely voluntary. Whether you choose to participate or not, all the services you receive at this clinic will continue and nothing will change. If you say yes to participate, you can still leave the study at any time. Your medical care will not change in any way if you say no or decide to leave at a later date.

Please take as much time as you need to make your decision.

Study Participation

You are being asked to participate in this study because your doctor thinks you may benefit from venous ablation and/or venous stenting procedures to treat your symptomatic varicose veins. We are inviting all adults at our clinic with your condition who have failed conservative compression stocking therapy and are interested in receiving treatment for their varicose veins to participate in our stud.

Your doctor already routinely performs venous ablation and venous stenting procedures at this office for patients with your condition. If you choose to participate in this study, your doctor will do everything the same way he/she would if you were not in a study, except you will be randomly assigned to a treatment group (venous ablation or venous stenting), and your study doctor will collect additional information about your procedure and about how you are doing before your procedure and after at your follow-up appointments. This includes completing two health assessment tools - one to track the clinical changes in your legs and one to track changes in your overall health before and after your treatment.

We plan to enroll approximately 200 participants in this study with 100 participants in each treatment group.

Purpose & Background of the Study

Two main procedures that are currently used to treat people with symptomatic varicose veins are venous ablation and venous stenting. The safety of venous ablation and venous stenting have been tested and proven in previous research studies. Both procedures are known as very safe and effective procedures for treating patients with symptomatic varicose veins. These procedures are widely used for patients with your condition to improve their quality of life by reducing or eliminating problems related to their chronic leg swelling and varicose veins.

There are currently no research studies that directly compare the safety and effectiveness of venous ablation and venous stenting procedures. The reason we are doing this research study is to compare these two procedures and to find out if one of these procedures is a superior treatment option for treating patients with symptomatic varicose veins.

Since we currently do not know if venous ablation or venous stenting is a better procedure, participants of this study will be assigned to either receive venous stenting or venous ablation treatments using a method called randomization. Randomization means that study participants will be assigned by chance to one of the two treatment groups: venous ablation or venous stenting, like the flip of a coin (50:50 chance). If you choose to participate in this study, you will have a one in two chance of being placed in either group. Randomization will be decided by pre-sealed envelopes that contain an assignment of the two treatment groups.

Study Devices

In order to compare the effectiveness of these two treatments, we need a measurable way to track patient symptoms and quality of life before and after treatment. To do this, we are asking study participants to complete two assessment tools at each visit: the 36-Item Short Form Health Survey (SF-36) and Revised Venous Clinical Severity Score. Both of these tools are not part of standard care. Using these tools gives us a way to measure and compare improvements observed after participants have received treatment. Please ask a member of the research team to provide you a copy of these tools if you would like to view them.

These measurement tools are explained below:

Revised Venous Clinical Severity Score (rVCSS)

This is a disease-specific measurement tool that a member of the research team will complete with you while examining your legs on your first visit and at each follow-up visit after your procedure. This tool provides a venous disease severity score for your legs based on different clinical categories. These include but are not limited to the presence of pain, varicose veins, and swelling. Each category is graded from 0 to 3 depending on severity (None = 0, Mild = 1, Moderate = 2, Severe = 3). Comparing severity scores from different visits will allow us to track any clinical changes in your treated leg(s) after your treatment.

36-Item Short Form Health Survey

This is a general quality of life questionnaire that you will be asked to complete at your first visit and at every follow-up visit after your procedure. This tool asks questions about a person's physical, emotional, and social well-being. The information collected from this survey provides us with a big picture understanding of how your health affects your daily functioning. Comparing scores from different visits will allow us to track any changes in your quality of life that may or may not be influenced by your procedure.

Completing these forms takes approximately 15-30 minutes.

Any individually-identifiable data obtained during the course of this study will be stored and used only for the purposes of this study. These data will not be used for future research and will be destroyed at the end of this study.

Study procedures and visit schedule:

Your participation in this study is expected to last up to 1 year +/- 3 months from your enrollment date.

Follow-up appointments for this study are scheduled at the same follow-up times we recommend for all patients that undergo venous ablation or venous stenting at our office. If you choose to not be in this study, we will recommend you follow-up with us on the same schedule.

Baseline visit

- If you choose to participate in this study, we will ask you to sign a consent form.
- You will undergo a medical interview, physical examination, and venous imaging to make sure you are eligible for the study.
 - Venous imaging may include a duplex ultrasound, venogram, and/or intravenous ultrasound.
- If you qualify, you will be randomized into one of two treatment groups: venous ablation or venous stenting.
- You will complete the SF-36 and rVCSS assessment tools.

Endothermal Venous Ablation Group

- The two ablation devices used for participants in this treatment group are:
 - 7-cm ClosureFast RFA catheter (Covidien, San Jose, CA) or 600-micron fiber
 - 1470-nanometer wavelength catheter (VenaCure EVLT NeverTouch Direct; AngioDynamics, Inc., Queensbury, NY)
- Both devices are safe, effective, and comparable options for venous ablation.
- Insurance authorization will determine if a participant will undergo radiofrequency ablation (RFA) or endovenous laser ablation (EVLA).
- For your safety, we ablate one vein of one leg per office visit. This is standard protocol at our office. Depending on the extent of venous disease in your legs, you may be scheduled for multiple venous ablation appointments.

Venous Stenting Group

- Venous WALLSTENT™ Wallstent (Boston Scientific, Marlborough, Mass) will be used in participants randomized to this treatment group
- Patients in the stenting group with one leg disease receive one stent and patients with disease in both legs will receive two stents.
- For your safety, we perform venous stenting in one leg per office visit. This is standard protocol at our office. Depending on the extent of venous disease in your legs, you may be scheduled for multiple venous stenting appointments.

Follow-up visits

- At each follow-up appointment, you will undergo a medical interview, physical examination, and venous imaging.
 - Venous imaging may include a duplex ultrasound, venogram, and/or intravenous ultrasound.
- You will complete the SF-36 and rVCSS assessment tools.

Option to crossover treatment groups

- If you continue to have symptoms six months after receiving your assigned treatment, the study doctor may offer you the option to switch to the other treatment group to receive alternative therapy. Depending on your symptoms, the alternate procedure may be offered for one or both of your treated legs.
- If you choose to switch treatment groups, you will be scheduled for a procedure and will attend a follow-up schedule similar to your previous treatment group.
- You will follow-up 1 week after your procedure. Subsequent follow-up appointments will be scheduled 3- and 6-months later. You will complete the SF-36 and rVCSS assessment tools at each visit.
 - If you had both legs treated in your assigned group and receive alternate therapy for only one leg, you will complete a SF-36 and rVCSS for each leg.
- Your length of enrollment in the study will not exceed the 1 year +/- 3 months from your study enrollment date.

Visit Timeline	Investigations
Baseline visit	Informed consent Medical history review Physical examination SF-36 and rVCSS Venous Imaging
Surgery day	Medical history review Ablation or stenting procedure

Additional Surgery day(s)* + 1 week from last surgery	Medical history review Physical examination SF-36 and rVCSS Venous Imaging Ablation or stenting procedure
1 week follow-up +1 week from last surgery	Medical history review Physical examination SF-36 and rVCSS Venous Imaging
3 month follow-up + 3 months from last visit	Medical history review Physical examination SF-36 and rVCSS Venous Imaging
6 month follow-up +3 months from last visit	Medical history review Physical examination SF-36 and rVCSS Venous Imaging **Option to switch treatment groups
9 month follow-up + 3 months from last visit	Medical history review Physical examination SF-36 and rVCSS Venous Imaging
1 year follow-up + 3 months from last visit	Medical history review Physical examination SF-36 and rVCSS Venous Imaging
End of Participation (1 year +/- 3 months from your enrollment date)	

Table 1: Baseline and follow-up appointment schedule

*Number of scheduled surgery appointments will be based on your doctor's assessment of what is suitable treatment for the severity of your venous disease.

**Offered at study doctor's discretion for eligible patients with persistent symptoms.

What is expected from you?

If you agree to participate in this study, you should:

- Keep your study appointments. If it is necessary to miss an appointment, please contact the study staff at **718-438-3800** to reschedule your appointment as soon as you know you will miss your appointment.
- Inform your study doctor as soon as possible about any side effects that you may have encountered.

- Be prepared to visit the office a minimum of 7 times and to undergo all the investigations that are outlined above in Table 1.

Potential Risks:

If you choose to participate in this study, there are minimal additional risks. You would undergo venous ablation and/or venous stenting treatment based on your doctor's assessment of what is suitable treatment for your condition. The potential inconveniences of this study is the additional time taken to complete the health assessment tools during your clinic appointments. Although every effort will be undertaken to maintain confidentiality, there is a risk of possible loss of participant's confidentiality. The risk for breach of confidentiality is minimal.

Potential Benefits:

There is no additional benefit to you for participating in this study. However, medical science and future patients with varicose veins may benefit from your participation.

What happens at the end of the study?

Once the protocol has ended, your participation in the study will end. The research team will then begin analyzing the collected data. When analysis is completed, all of the data collected will be destroyed.

Voluntary Participation

Your participation is entirely voluntary. You may choose not to be in the study, and you may withdraw from the study at any time. There will not be any negative impact to the care and/or treatment you receive or any loss of benefits to you if you decide not to be in the study at all or to stop being in the study at any time.

Withdrawal and Alternatives:

You are free to withdraw your consent and discontinue your participation in this study at any time. If you decide to stop taking part in the study, you should tell your doctor or a member of the research team. If you choose to withdraw, continued clinical care per your condition will be provided. However, the data that has already been collected until the time of your withdrawal will be kept and analyzed.

You may still undergo venous ablation and/or venous stenting, as per discussed with your doctor. However, you will not complete the health assessment questionnaires and you will not be randomly assigned a treatment group. Your recommended follow-up schedule would remain the same. There are generally no major risks if you elect not to have treatment. Alternative treatments that exist include no treatment, compression, surgery to remove the veins, and sclerotherapy (chemical ablation).

Your doctor and/or the Sponsor of this study may stop your participation in the study at any time for one or more of the following reasons:

- Failure to follow the instructions of the research team
- Your doctor decides that continuing your participation can be harmful or otherwise
- The study is cancelled

What information will be used or disclosed?

The entire research record and any medical records held by the Institution and any health care provider authorized to disclose, use or receive the information may be used, but not disclosed.

What could happen if you agree to this use or disclosure of your health information?

Once information that could be used to identify you has been removed and your information is no longer identifiable, the information that remains is no longer protected by this agreement and may be used and given by the Members of the Research Team for research reasons.

The Researchers have agreed that no publication or presentation of the research will reveal your identity without your separate specific written permission and authorization (agreement) (even if you revoke (take back) this Authorization (agreement)).

When does this Authorization expire?

This authorization will never expire unless you revoke it.

Is there any cost or payment for being in this study?

There are no additional costs to you for participating in this study. Costs for procedures performed. The cost of the procedures will be covered as per your insurance policy.

Who to contact if you have questions about this study, would like more information about this research or your rights as a study participant, or if you are hospitalized or injured for any reason during the course of the study?

You may contact:

Anil Hingorani, M.D.
Vascular and Endovascular Surgeon
Vascular Institute of New York
960 50th Street, Brooklyn, NY 11219
Tel: 718-438-3800

Subject Consent Declaration

My signature below means that:

1. I have read this consent form, or it has been read to me, and I acknowledge the information provided.
2. I have been given time to consider the study-related procedure(s) and risks, as well as the alternatives. All my questions were answered to my satisfaction.
3. I understand that my participation in the study is voluntary and my refusal to participate will not result in any penalty and will not compromise my medical treatment. I can withdraw my consent at any time prior to and during the study, without any legal consequences and without any penalty or loss of benefits to which I am entitled. I know who to contact in the future if I decide to withdraw or if I require additional information.
4. My consent does not release the sponsor from its obligations, and my legal rights will not be affected.
5. I agree that the IRB Committee representatives and Members of the Research Team will be granted direct access to my original medical records.
6. I will be given a signed and dated copy of this document for my records.

Signatures

Subject or legally authorized representative:

Printed name

Signature Date

If the subject is not able to consent for him/herself, complete the following:

Subject name

is not able to consent because
.....

Relationship of Legally
Authorized Representative to
subject

Physician Obtaining Consent for Study:

Printed name

Signature Date

Optional:

Witness printed name

Witness signature Date

Anil Hingorani M.D.

Education

1996-1998

Maimonides Medical Center
Brooklyn, NY 11219
Vascular Fellowship

1990-1996

St Luke's-Roosevelt Hospital Center of Columbia University
New York, NY
Surgical Residency

1990

Albany Medical College (AMC)
Albany, NY
MD

1988

Rensselaer Polytechnic Institute (RPI)
Rensselaer, NY
BS Biology
Secretary RPI ambulance 6/87-6-88

Concord Academy
Concord, Mass.

Board certification

General Surgery 1997-present
Vascular Surgery 2000-present

Awards

Marquis Who's Who in the World 2019.

Castle Connolly Regional Top Doctor 2019

2019 edition of Marquis Who's Who in the World

2018 Albert Nelson Marquis Lifetime Achievement Award

Marquis Who's Who in the World 2019

Castle Connolly Top Doctors. Brooklyn 2018. .

Top Vascular Surgeon in Brooklyn, International Association of Healthcare Professionals 2018.

Marquis Who's Who in the World 2018

2018 Albert Nelson Marquis Life time Achievement Award.

Marquis Who's Who 2018

Castle Connolly Top Doctors. Queens. 2018.

Teacher of the Year (didactic) at NYU Lutheran Medical Center, Brooklyn NY. Dept of Surgery.
Voted by residents. June 2017

Castle Connolly Regional Top Doctor 2017 Jan 01, 2017 Brooklyn

The Queens Courier Top Doctors Jan 01, 2017

Castle Connolly Regional Top Doctor 2016, Jun 01, 2016 Brooklyn

2014 Best Doctors in America

Stanley Vascular Society honorary member 2014

First prize poster. ISVS Miami, Fla. March 8-10, 2012. Publications from the U.S. Program
directors in vascular surgery from 2001 to 2010

Best Doctors In America 2011-2012

Award from Maimonides Dept of Surgery resident for patience and perseverance June 2011.

2011 International Profiles of Accomplished Leaders, American Biographical Institute.

2011 Great Minds of the 21st century, American Biographical Institute.

2010 Who's Who of Worldclass business leaders and Professionals. Empire Business Directory.

2010 Who's Who in America. Marquis' Who's Who.

2010 America's Top Surgeons

2009-2010 Best Doctors in America

2009-2010 Edition of Who's Who for Executives and Professionals. Madison Who's Who.

2009 Teacher of the year award Dept of Surgery Maimonides Medical Center

2009. Continental Who's Who. Brajusta Publishing, Inc

2009. Guide to America's Top Surgeons. Consumers' Research Council of America.

2009 Strathmore's Who's Who Worldwide.

Madison's Who's Who Among Executives and Professionals 1st 2008-2009

2008 The Global directory of Who's Who.

Madison's Who Who 2008.

America's top Surgeons 2008.

Best doctors 2007-2008.

2007 Biltmore Who's who Executive and professional registry.

2007 The Global directory of Who's Who.

Leading Health Professionals of the World 2006, International Biographical Center.

Guide to America's Top Surgeons 2006. SLD Industries Inc.

Who's Who in America - 2006, 60th Edition (pub. 2005)

Dos Santos prize finalist. The cell signaling mechanisms of p53 in inhibition of neointimal hyperplasia in the rat Carotid injury model. Istanbul, Turkey. Nov 7-10, 2003. European society for cardiovascular surgery.

The role of apoptosis and proteolysis in the pathogenesis of iliac artery aneurysms. 1st prize clinical paper. Greater Maimonides Day, Maimonides Medical Center, Brooklyn.

Initial Steps in the Unifying Theory of the Pathogenesis of Arterial Aneurysms. Poster presentation. Eastern Vascular Society. Washington DC May 6, 2001. Second prize best poster presentation.

Safety and Efficacy of Low Molecular Weight Heparin Following Vascular Procedures. Society for Clinical Vascular Surgery April 5, 2001. Boca Raton Fla. Peter B Samuels Competition Finalist.

May 21, 1999 Teacher of the year award Dept of Surgery Maimonides Medical Center

June 17, 1998. Most promising new attending Maimonides Medical Center

May 7, 1998. Upper extremity Deep Venous Thrombosis: an Under-Recognized manifestation of a Hypercoagulable State. Second prize. Long Island-Brooklyn Chapter of the American College of Surgeons.

April 30, 1998. First place clinical. Upper extremity Deep Venous Thrombosis: an Under-Recognized manifestation of a Hypercoagulable State. Brooklyn Surgical Society

May 6, 1997. The Roles of Tumor Necrosis Factor Binding Protein (TNF-BP) and Interleukin-1 receptor antagonist (IL-1 ra) on the Development of Abdominal Aortic Aneurysms

in a Rat Model. Second prize at Long Island-Brooklyn Chapter of the American College of Surgeons, Brooklyn, NY

April 1997. first place Maimonides Research Day. The Roles of Tumor Necrosis Factor Binding Protein (TNF-BP) and Interleukin-1 receptor antagonist (Il-1 ra) on the Development of Abdominal Aortic Aneurysms in a Rat Model

April 1997. first place 13th Annual Vascular Fellows Abstract Presentation. The Roles of Tumor Necrosis Factor Binding Protein (TNF-BP) and Interleukin-1 receptor antagonist (Il-1 ra) on the Development of Abdominal Aortic Aneurysms in a Rat Model

6-96 teacher of the year (chief resident)

989 ranked top third of med school class.

389 Outstanding College Students of America

888 AMC letter of commendation for scholastic excellence

688 Summa cum laude Rensselaer Polytechnic Institute (RPI)

588 Dean's certificate for honorable mention for research endeavors

6-86 to present membership to Sigma Xi-honorary scientific research society

1984/1986 RPI Dean's list

1984 US Achievement Academy National Award

Professional Society Memberships:

American Board of Vascular Surgery, Economic Feasibility Committee member 2018-
Board of Directors 2018-

Honorary member of Mexican Venous Forum 2018

International Union of Angiology 2010-
National Delegate 2010-2012. 2014-2016. 2016-

Society of Vascular Ultrasound 2010-
Vascular Society of India life time member 2011
Vascular Society of India 2006-

South Asian Vascular Society of America- member 2009-
Treasurer 2009-2012

Program committee member 2011-2012
President elect 2012-2013
President 2013-2014.
Nominating Committee 2014-2015

Organizer New York Dialysis Access Club. 2009-

Society for Vascular Medicine June 2005- 2012
Publications committee 2008-2009

Medical Society of State of NY 2006.

Medical Society of the County of Kings 2006

International Society for Vascular Surgery 2004-present
Councilor 2007-2010
Cases of the month committee chair 2011-

Eastern Vascular Society 2003- present
Program committee member 2004-2007
Program Committee Chairman 2006-2007
Young Vascular Surgeons Ad-Hoc Committee 2004-2012
Counselor at Large, 2007-2010
Member of Mentoring program 2007-
Ad Hoc Committee on Diversity and Women in Vascular Surgery Chair 2011-2013
Membership Committee 2014-2017
Audit Committee 2014-2017
Secretary 2014- 2017
President Elect 2017-2018
President 2018-2019
Nominating Committee 2019-

Fellow of American College of Surgeons, 2003- present
Advisory Council Member Services Pillar (vice Chair) 2018-
ACS Medical Student Program: Networking Event to Explore Surgical Specialties, Practice Settings, and Other Topics. Session presented at: ACS Clinical Congress 2019; October 27, 2019; San Francisco, CA.
ACS Medical Student Program: Networking Event to Explore Surgical Specialties, Practice Settings, and Other Topics. Session presented at: ACS Clinical Congress 2018; October 27,

Society for Vascular Surgery July 2003- present
Program committee member 2005-2008
Endovascular committee member 2005-2007
Diversity Committee 2007-2013
Diversity committee Chair 2010-2013
Communication Committee 2008-2012

Member of Mentoring program 2007-
Ad Hoc member SVS Resident and Student Outreach Committee 2009-2013
Post Graduate Education Committee 2009-2012
Distinguished Fellow 2009-present
Joint APMA/SVS diabetic foot practice guideline committee 2009-2014
Chair of Joint APMA/SVS diabetic foot practice guideline committee 2013-2016
Clinical Practice Council 2010-2013
Leadership committee 2013- 2016
SVS Clinical Practice Council 2016- 2018
International Relations Committee 2016-
International Scholarship Recipients Mentor 2017-
Program Committee 2017-
SVS Document Oversight Committee 2017-
SVS Certification Task Force 2017-
Outpatient Vascular Care Steering Committee 2018-
Proposal subcommittee 2018-

American Venous Forum 2003-present
Member of Membership committee 2008- 2013
Member of Website committee 2015-
Member of Membership committee 2015-2018
Member of Guidelines committee 2015-
Member of EHIT Guidelines committee 2015-
Chair of Guideline Committee 2017-
Distinguished Fellow 2015-
Director at large 2015-
Representative to ACS Advisory Council 2016-2019, 2019-
International Committee 2017-
EHIT guidelines writing group 2016-
IVUS guidelines writing group 2018-
International consensus for DVT writing group 2018-
Chair of website committee 2018-2019
Strategic planning committee member 2018
Chair of communications committee

NY Society for Vascular Surgery 2001-present

Peripheral Vascular Society 2000-present
Winter planning committee member 2009
Chair Industry Research Advisory Board. 2010-2013

American Association of Physicians of Indian Origin 1999-present

NY Academy of Science 2000-present

Association of Academic Surgeons 1999-2010

International College of Surgeons 1999-2008

American Heart Association Council on Cardiothoracic and Vascular Surgery 1999 to 2000

Society for Clinical Vascular Surgery 1999-present

Program committee member 2002-2004

Chair of Program Committee, 2004-2005.

Ad Hoc Young Vascular Surgeons Committee 2005-2008

Member at Large 2005-2009

Ad Hoc Patient Advocacy Committee 2011-

Society of American Gastrointestinal Endoscopic Surgeons 1996- 2008

American College of Surgeons, 1990-2003 candidate group

Sigma Xi 1988-present

American Academy for the Advancement of Science 1988-present

Maimonides Medical Center Staff 1996-2013

Program director vascular surgery Dec 2010 to July 2012

Surgical Performance improvement 1996-2013

Lutheran Medical Center Staff 2012 to April 2015.

NYU Lutheran Medical Center Staff April 2015-

NYU Interventional Value Analysis Committee 2016-

NYU Vascular simulation session organizer Oct 1, 2016

Associate Chief of Vascular Surgery June 2014-

Program Director 2019-

Reviewer for: Journal of Vascular Surgery, European Journal of Vascular Surgery, Vascular, Annals of Vascular Surgery, World Journal of Surgery, Journal of Thrombosis and Hemostasis
Distinguished Reviewer for Journal of Vascular Surgery 2015- , Consulting editor Indian Journal of Vascular and Endovascular Surgery. British Medical Journal, Endocrine.

Journal of Vascular Surgery : Venous and Lymphatic editor 2020-

Oral Board examiner. Vascular Surgery Board (American Board of Surgery), May 2016, May 2019

NYU Langone Brooklyn Vascular Surgery program director July 2019-

NYU Lutheran Medical Center Epic Provider Champion 2016

NYU Brooklyn Comprehensive Stroke Committee

NYU Lutheran Medical Center Vascular Simulation Session 10-1-2016 and 10-3-2016 (organizer and proctor).

Member Comprehensive Stroke Committee NYUB 2017 -
Member Interventional Value Analysis Committee NYU 2017-
Member Preoperative Value Analysis Committee NYU 2017-

Personal

Birthdate: 12067
Birthplace: Rome, NY
Marital status: Married, 1 son, 1 daughter

Prior Clinical Position:

Clinical Assistant Professor in Dept of Surgery/College of Medicine SUNY Brooklyn Oct 1999 to 2004.

Associate professor, Department of Surgery, Mount Sinai School of Medicine, March 2004 to 2012.

1998 to 2013, Vascular Attending, Maimonides Medical Center.

Maimonides Medical Center Dept of Surgery Mentor 2008-2009

Maimonides Medical Center Division of Vascular Surgery Program Director, December 9, 2010 to 2012

Lutheran Medical Center
March 1, 2012-April 1, 2015
Vascular surgeon

NYU Lutheran Medical Center
April 1, 2015-2018

Present Clinical Position:

Vascular Institute of NY attending

Total Vascular Care
March 1, 2012-present
Vascular surgeon
Consulting Physician Ditmas Park Rehabilitation and Care Center 2016-

Chair of Total Vascular Care IRB February 2016-

Vascular surgeon
NYU Langone Brooklyn Clinical Assistant Professor 2018-

Vice chair of division of Vascular Surgery 3-2014 –present
Mentor for surgery residents: 2016- present

NY Community Hospital
Nov 2013 to present

718-438-3800 (W)
ahingorani@lmcmc.com
ACLS certified 2011-2019

Clinical Mentor for PhD – Nursing Practice Student Eleanor Iadgarova

Published Peer Reviewed

Etiology of ilio caval stent thrombosis. Aurshina A, Ascher E, Haggerty J, Marks N, Rajae S, Hingorani A. J Vasc Surg Venous Lymphat Disord. 2019 Dec 13.

Spontaneous hemorrhage from varicose veins: A single-center experience. Hingorani A, Chait J, Kibrik P, Alsheekh A, Marks N, Rajae S, Hingorani A, Ascher E. J Vasc Surg Venous Lymphat Disord. 2020 Jan;8(1):106-109

Compartment Syndrome of the Leg After Intraosseous (IO) Needle Insertion. Kibrik P, Alsheekh A, Rajae S, Marks N, Hingorani A, Ascher E. Ann Vasc Surg. 2019 Oct 29

Iliac Vein Stent Placement and the Iliocaval Confluence. Alsheekh A, Hingorani A, Aurshina A, Kibrik P, Chait J, Ascher E. Ann Vasc Surg. 2019 Oct 2

Fast-track thrombolysis protocol: A single-session approach for acute iliofemoral deep venous thrombosis. Ascher E, Chait J, Pavalonis A, Marks N, Hingorani A, Kibrik P. J Vasc Surg Venous Lymphat Disord. 2019 Aug 27.

Safety and efficacy of endovenous ablations in octogenarians, nonagenarians, and centenarians. Kibrik P, Chait J, Arustamyan M, Alsheekh A, Rajae S, Marks N, Hingorani A, Ascher E. J Vasc Surg Venous Lymphat Disord. 2019 Aug 27

Radiofrequency Ablation Increases the Incidence of Endothermal Heat-Induced Thrombosis. Chait J, Kibrik P, Alsheekh A, Ostrozhynskyy Y, Marks N, Rajae S, Hingorani A, Ascher E. Ann Vasc Surg. 2019 Aug 5.

Comparison of Ultrasound-Accelerated Versus Multi-Hole Infusion Catheter-Directed Thrombolysis for the Treatment of Acute Limb Ischemia. Chait J, Aurshina A, Marks N, Hingorani A, Ascher E. Vasc Endovascular Surg. 2019 Jul 21

Effect of venous access site on postintervention stent thrombosis for nonthrombotic iliac vein stenting. Chait J, Alsheekh A, Aurshina A, Haggerty J, Ostrozhynskyy Y, Rajae S, Hingorani A, Ascher E. J Vasc Surg Venous Lymphat Disord. 2019 Jun 20.

Is it necessary to dilate stents in management of nonthrombotic iliac vein lesions? Aurshina A, Ostrozhynskyy Y, Nguyen H, Alsheekh A, Marks N, Rajae S, Hingorani A, Ascher E. J Vasc Surg Venous Lymphat Disord. 2019 Jul;7(4):522-526.

Efficacy of balloon venoplasty alone in the correction of nonthrombotic iliac vein lesions. Aurshina A, Chait J, Kibrik P, Ostrozhynskyy Y, Rajae S, Marks N, Hingorani A, Ascher E. *J Vasc Surg Venous Lymphat Disord*. 2019 Jun 5.

Does Metformin Have an Effect on Stent Patency Rates.

Kibrik P, Alsheekh A, Izakovich T, Chait J, Goldstein MA, Monteleone CM, Hingorani A, Ascher E. *Vasc Endovascular Surg*. 2019 Jun 6:1538574419849999. doi: 10.1177/1538574419849999.

Bilateral iliac vein stenting reduces great and small saphenous venous reflux. Chait J, Kibrik P, Kenney K, Alsheekh A, Ostrozhynskyy Y, Marks N, Hingorani A, Rajae S, Ascher E. *Vascular*. 2019 Jun 6

The Society of Vascular Surgery International Scholars Program: The First Decade. Narala B, Aurshina A, Hingorani A, Marks N, Rajae S, Iadgarova E, Ascher E. *Vasc Endovascular Surg*. 2019 Jun 3

A real-world experience of drug eluting and non-drug eluting stents in lower extremity peripheral arterial disease.

Kibrik P, Victory J, Patel R, Chait J, Alsheekh A, Aurshina A, Hingorani A, Ascher E. *Vascular*. 2019 May 12

Early Results of Duplex Guided Trans-Radial Artery Fistuloplasties. Alsheekh A, Hingorani A, Aurshina A, Kibrik P, Chait J, Ascher E. *Ann Vasc Surg*. 2019 May 7.

Superior Mesenteric Artery Thrombosis Following Necrotizing Pancreatitis. Chait J, Duffy E, Marks N, Rajae S, Hingorani A, Ascher E. *Ann Vasc Surg*. 2019 May 7.

Early hemodynamic characteristics of eversion and patch carotid endarterectomies. Chait J, Nicoara M, Kibrik P, Ostrozhynskyy Y, Marks N, Rajae S, Hingorani A, Ascher E. *J Ultrasound*. 2019 May 8. doi: 10.1007/s40477-019-00384-3.

Radiation exposure during non-thrombotic iliac vein stenting. Chait J, Davis N, Ostrozhynskyy Y, Rajae S, Marks N, Hingorani A, Ascher E. *Vascular*. 2019

Routine use of ultrasound to avert mechanical complications during placement of tunneled dialysis catheters for hemodialysis. Aurshina A, Hingorani A, Hingorani A, Marks N, Ascher E. *J Vasc Surg Venous Lymphat Disord*. 2019 Mar 25.

Descending thoracic endovascular aortic repair does not require cardiothoracic surgery support. Chait J, Kibrik P, Alsheekh A, Marks N, Rajae S, Hingorani A, Ascher E. *Vascular*. 2019

The great choke, Ovation® aortic body graft stenosis. Alsheekh A, Aurshina A, Chait J, Hingorani A, Ascher E. *Vascular*. 2019 Feb 10

Hingorani A, Chait J, Kibrik P, Alsheekh A, Marks N, Rajae S, Hingorani A, Ascher E. Spontaneous hemorrhage from varicose veins: A single-center experience. *J Vasc Surg Venous Lymphat Disord.* 2020 Jan;8(1):106-109.

Celiac Artery Vasculitis. Chait J, Pavalonis A, Rajae S, Hingorani A, Ascher E. *Ann Vasc Surg.* 2018 Nov 27.

Rizvi SA, Ascher E, Hingorani A, Marks N. Stent patency in patients with advanced chronic venous disease and nonthrombotic iliac vein lesions. *J Vasc Surg Venous Lymphat Disord.* 2018 Jul;6(4):457-463.

Underexpansion of Wallstents® in the treatment of nonthrombotic iliac vein lesions. Mandel JE, Ostrozhynskyy Y, Hingorani A, Marks N, Ascher E. *Ann Vasc Surg.* 2018 May 16

Recanalization after Endovenous Thermal Ablation. Aurshina A, Alsheekh A, Kibrik P, Hingorani A, Marks N, Ascher E. *Ann Vasc Surg.* 2018 May 16.

Success rate and factors predictive of redo radiofrequency ablation of perforator veins. Aurshina A, Ascher E, Mount L, Hingorani A, Marks N, Hingorani A. *J Vasc Surg Venous Lymphat Disord.* 2018 Apr 17

Placement issues of hemodialysis catheters with pre-existing central lines and catheters. Aurshina A, Hingorani A, Alsheekh A, Kibrik P, Marks N, Ascher E. *J Vasc Access.* 2018 Mar 1

A Trainee Perspective to Issues Needing Redressal in Current Vascular Surgery Training Programs: Survey Results from 2004-2015. Aurshina A, Hingorani A, Iadagarova E, Ascher E, Marks N, Hingorani A, Blumberg SN. *Ann Vasc Surg.* 2018 Mar 6

Recent trends in Publications of US and European Directors in Vascular Surgery. Aurshina A, Hingorani A, Hingorani A, Marks N, Ascher E. *Ann Vasc Surg.* 2018 Feb 24

Demographic and clinical features do not affect the outcome of combined endovenous therapy to treat leg swelling. Alsheekh A, Hingorani A, Aurshina A, Kibrik P, Marks N, Ostrozhynskyy Y, Ascher E. *Vascular.* 2018 Jan 1.

Hybrid approach with endovascular and open surgical techniques for challenging aneurysms. Parizh D, Rizvi SAR, Ascher E, Hingorani A. *Vascular.* 2018 Jan 1

Clinical correlation of success and acute thrombotic complications of lower extremity endovenous thermal ablation. Aurshina A, Ascher E, Victory J, Rybitskiy D, Zholanji A, Marks N, Hingorani A. *J Vasc Surg Venous Lymphat Disord.* 2018 Jan;6(1):25-30.

Utilization of stent grafts in the management of arteriovenous access pseudoaneurysms. Aurshina A, Hingorani A, Marks N, Ascher E. *Vascular.* 2017.

Routine colonoscopy, diabetic eye care, mammogram and pap smear screening in vascular surgery patients. Lee Y, Aurshina A, Lee AJ, Ackerman IM, Chait M, Novak D, Hingorani A, Ascher E, Marks N. *Vascular*. 2017 Jan 1

Recent trends in publications of US vascular surgery program directors. Aurshina A, Hingorani A, Hingorani A, Zainab A, Marks N, Blumberg S, Ascher E. *Vascular*. 2017 Jan 1

A new endovascular technique for the treatment of dialysis-associated steal syndrome. Ascher E, Mandel JE, Marks NA, Hingorani AP. *Vascular*. 2017 Jan 1

Shortened protocol for radiofrequency ablation of perforator veins. Aurshina A, Hingorani A, Blumberg S, Alsheekh A, Marks N, Hingorani A, Iadagarova E, Ascher E. *J Vasc Surg Venous Lymphat Disord*. 2017 Nov;5(6):824-828.

A novel technique for duplex-guided office-based interventions for patients with acute arteriovenous fistula occlusion. Aurshina A, Ascher E, Hingorani A, Marks N. *J Vasc Surg*. 2017 Oct 7.

Clinical correlation of the area of inferior vena cava, iliac and femoral veins for stent use. Aurshina A, Ganelin A, Hingorani A, Blumberg S, Ostrozhynskyy Y, Kheyson B, Ascher E. *Vascular*. 2017 Jan 1

Intraoperative venoplasty to facilitate placement of tunneled catheters for hemodialysis. Aurshina A, Hingorani A, Marks N, Ascher E. *Vascular*. 2017 Jan 1

Clinical outcomes of direct oral anticoagulants after lower extremity arterial procedures. Aurshina A, Kibrik P, Eisenberg J, Alsheekh A, Hingorani A, Marks N, Ascher E. *Vascular*. 2017 Jan 1

Perforator Vein Access for Venous Pharmacomechanical Thrombolysis. Aurshina A, Ganelin A, Hingorani A, Kheyson B, Marks N, Ascher E. *Ann Vasc Surg*. 2017 Jul 21.

Safety and efficacy of stenting nonthrombotic iliac vein lesions in octogenarians and nonagenarians in an office setting. Kibrik P, Eisenberg J, Alsheekh A, Rizvi SA, Aurshina A, Marks N, Hingorani A, Ascher E. *Vascular*. 2017

Quality improvement initiative: Preventative Surgical Site Infection Protocol in Vascular Surgery. Parizh D, Ascher E, Raza Rizvi SA, Hingorani A, Amaturio M, Johnson E. *Vascular*. 2017 Jan 1

Endoureteral coil embolization of an ureteral arterial fistula. Kibrik P, Eisenberg J, Bjurlin MA, Marks N, Hingorani A, Ascher E. *Vascular*. 2017 Jan 1:1

Clinical correlation with failure of endovenous therapy for leg swelling. Alsheekh A, Hingorani A, Marks N, Ostrozhynskyy Y, Ascher E. *Vascular*. 2017 Jan 1.

Is there an effect of race/ethnicity on early complications of iliac vein stenting? Alsheekh A, Hingorani A, Ferm S, Kibric P, Aurshina A, Marks N, Ascher E. *Vascular*. 2017 Jan 1:

Clinical Role of the "Venous" Ultrasound to Identify Lower Extremity Pathology. Aurshina A, Ascher E, Hingorani A, Salles-Cunha SX, Marks N, Iadgarova E. *Ann Vasc Surg*. 2017 Jan;38:274-278.

The bull's eye sign and other suprainguinal venographic findings to limit the use of intravascular ultrasound in patients with severe venous stasis. Ascher E, Eisenberg J, Bauer N, Marks N, Hingorani A, Rizvi S. *J Vasc Surg Venous Lymphat Disord*. 2017 Jan;5(1):70-74.

Clinical correlation of anatomical location of non-thrombotic iliac vein lesion. Aurshina A, Kheyson B, Eisenberg J, Hingorani A, Ganelin A, Ascher E, Iadgarova E, Marks N. *Vascular*. 2016 Dec 6.

Treatment of upper extremity venous aneurysms with a polytetrafluoroethylene-covered stent. Parizh D, Victory J, Rizvi SA, Hingorani A, Ascher E. *Vascular*. 2016 Dec 2.

The Clinical Efficacy of Balloon Assisted Maturation of Autogenous Arteriovenous Fistulae. Rizvi SA, Usoh F, Hingorani A, Iadgarova E, Boniscavage P, Eisenberg J, Ascher E, Marks N. *Ann Vasc Surg*. 2016 Nov 26

Ruptured abdominal aortic aneurysm after endovascular aortic aneurysm repair thrombosis. Victory J, Rizvi SA, Ascher E, Hingorani A. *Vascular*. 2016 Nov 24.

The next frontier of office-based inferior vena cava filter placement. Alsheekh A, Hingorani A, Marks N, Ascher E. *J Vasc Surg Venous Lymphat Disord*. 2016 Jul;4(3):283-5.

In-patient adult and pediatric vascular ultrasound: Distribution and rate of positive findings. Lee AJ, Lee Y, Novak D, Marks N, Ascher E, Hingorani A. *Vascular*. 2016 Jun 16.

Interposition bypass of the popliteal artery using the popliteal vein in 1943. Hingorani AP, Ascher E, Marks NA, Jung D, Ignatiev I, Hingorani A. *J Vasc Surg*. 2016 May;63(5):1400-3.

A systematic review and meta-analysis of adjunctive therapies in diabetic foot ulcers. Elraiyah T, Tsapas A, Prutsky G, Domecq JP, Hasan R, Firwana B, Nabhan M, Prokop L, Hingorani A, Claus PL, Steinkraus LW, Murad MH. *J Vasc Surg*. 2016 Feb;63(2 Suppl):46S-58S.e2. doi: 10.1016/j.jvs.2015.10.007. Review.

The management of diabetic foot: A clinical practice guideline by the Society for Vascular Surgery in collaboration with the American Podiatric Medical Association and the Society for Vascular Medicine. Hingorani A, LaMuraglia GM, Henke P, Meissner MH, Loretz L, Zinszer KM, Driver VR, Frykberg R, Carman TL, Marston W, Mills JL Sr, Murad MH. *J Vasc Surg*. 2016 Feb;63(2 Suppl):3S-21S.

Complications with office-based venoplasties and stenting and their clinical correlation. Arkady Ganelin, Anil Hingorani, Enrico Ascher, Borislav Kheyson, Eleanora Iadgarova, Natalie Marks, Yuriy Ostrozhynskyy. *Journal of Vascular Surgery: Venous and Lymphatic Disorders*, Vol. 3, Issue 4, p376–379

The sticky platelet syndrome during carotid endarterectomy. Alsheekh AA, Puggioni A, Hingorani AP, Marks N, Ascher E. *Ann Vasc Surg.* 2015 May 29.

Acute Complications After Balloon Assisted Maturation. Derderian T, Hingorani A, Boniviscage P, Carollo A, Ascher E. *Ann Vasc Surg.* 2014. Jul;28(5):1275-9

Perforating Vein Access for Venous Pharmacomechanical Thrombolysis. Online publication. ISVS case of the month. November 2013, ISVS.com <http://www.isvs.com/Cases/Case25.pdf>, Accessed November 8, 2013.

The Importance of being culturally competent in health care. <http://www.vascularspecialistonline.com/from-the-svs/latest-news/single-article/the-importance-of-being-culturally-competent-in-health-care/800a77110d9853825a5a44f93b20a822.html> . Accessed August 26, 2013.

A Rare Complication of a Retained Wire during Endovascular Abdominal Aortic Aneurysm Repair. Derderian T, Ascher E, Hingorani A, Jimenez R. *Ann Vasc Surg* Nov;27(8):1183. 2013

Use of duplex guided stent graft placement to prevent bleeding from previously thrombosed pseudo-aneurysms during thrombolytic therapy for acute popliteal artery occlusion. Derderian T, Hingorani A, Gallagher J, Ascher E. *Vascular.* 2013 Aug 1.

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Prospective Randomized Study Comparing the Clinical Outcomes Between IVC Greenfield Filter and TrapEase Filter. American Venous Forum. Amelia Island, Fla. February 2010.

Use of Duplex Imaging To Detect Common Femoral Artery Injuries During EVAR. VEITH symposium, NYC, NY. November 18, 2009.

Importance of The Location Of Infrapopliteal DVT In The Incidence Of Pulmonary Emboli. VEITH symposium, NYC, NY. November 18, 2009.

Clinical Practice Guidelines For Hemodialysis Access. VEITH symposium, NYC, NY. November 18, 2009.

Prospective Randomized Study Comparing the Clinical Outcomes Between IVC Greenfield Filter and TrapEase Filter. New York Surgical Society. November 11, 2009.

Interventional Vascular Ultrasound. Winthrop University Hospital. October 19, 2009.

SUNY Stony Brook VTE symposium. Vena caval filters: current knowledge, uncertainties and practical approaches. March 27, 2010 at the Islandia Marriott Hotel, in Islandia, New York.

SUNY Stony Brook VTE symposium. Management of superficial vein thrombosis. March 27, 2010 at the Islandia Marriott Hotel, in Islandia, New York.

Prospective Randomized Study Comparing the Clinical Outcomes Between IVC Greenfield Filter and TrapEase Filter. Rapid fire presentation Session on Friday, June 12, 2009 SVS Vascular Annual Meeting, Denver, CO.

Southern Association for Vascular Surgery. Iatrogenic Injuries of the Common Femoral Artery (CFA) and External Iliac Artery (EIA) During Endograft Placement: An Underdiagnosed Entity. 33rd Annual Meeting. January 14-17, 2009, Tucson, Arizona.

Microdissection and Re-entry devices: Limitations, Application & Utility. 37th Annual Symposium of the Society for Clinical Vascular Surgery. March 18-21, 2009. Lauderdale, Florida.

Dialysis Access for 2009 and beyond. San Diego County Dialysis Access Club. Nov 13, 2008.

Dialysis Access for 2009 and beyond. Orange County Dialysis Access Club. Nov 12, 2008.

Salvage of dialysis Fistula. Vascular Society of India. Nov 6-9, 2008. Chadigarh, India.

Evaluation of duplex ultrasonography as a single preoperative modality. Vascular Society of India. Nov 6-9, 2008. Chadigarh, India.

Debate: Distal vessel bypass is becoming obsolete following aggressive intervention therapy. Vascular Society of India. Nov 6-9, 2008. Chadigarh, India.

Regional lower extremity anesthesia blocks for infrainguinal vascular procedures. Vascular Society of India. Nov 6-9, 2008. Chadigarh, India.

Predictive factors of success following RFS ablation of incompetent perforating veins. Vascular Society of India. Nov 6-9, 2008. Chadigarh, India.

Outcome of dissections and recoil following balloon angioplasties: what's the difference? X Pan-American Congress on Vascular and Endovascular Surgery. October, 28 – November 01, 2008, Rio de Janeiro - Brasil. X Pan-American Congress on Vascular and Endovascular Surgery.

Office greater saphenous vein radio-frequency ablation: safety and predictors of success. X Pan-American Congress on Vascular and Endovascular Surgery. October, 28 – November 01, 2008, Rio De Janeiro - Brasil. X Pan-American Congress on Vascular and Endovascular Surgery.

Prospective randomized trial between Greenfield and Trapeze IVC filters. X Pan-American Congress on Vascular and Endovascular Surgery. October, 28 – November 01, 2008, Rio De Janeiro - Brasil. X Pan-American Congress on Vascular and Endovascular Surgery.

Aggressive approach to the diagnosis and treatment of stenotic iliac veins-stenting across the inguinal ligament-. October, 28 – November 01, 2008, Rio De Janeiro – Brasil. X Pan-American Congress on Vascular and Endovascular Surgery.

Current indications and techniques for superior vena cava: an experience with 200 plus cases and a word of caution. X Pan-American Congress on Vascular and Endovascular Surgery. October, 28 – November 01, 2008, Rio De Janeiro – Brasil.

Duplex-guided Balloon Angioplasty of Failing or Non-maturing Arterio-venous Access (A-V): A New Office-Based Procedure. Eastern Vascular Society. Boston, Ma. Sept 2008.

Predictive Factors Of Success Following Radio-Frequency Stylet Ablation Of Incompetent Perforating Veins. Eastern Vascular Society. Boston, Ma. Sept 2008.

Treatment of Popliteal Aneurysms: Open vs. Endo. Eastern Vascular Society. Boston, Ma. Sept 2008

Elastic Recoil After Femoropopliteal Balloon PTA Is An Indicator Of A Poor Outcome: What Should Be Done? Veith Symposium, Nov. 2008. NYC, NY

219 Vascular Fellows; Assessment of Their Training. Society for Vascular Surgery. San Diego, Ca. June 2008.

Duplex-guided Balloon Angioplasty of Failing or Non-maturing Arterio-venous Access (A-V): A New Office-Based Procedure. Society for Vascular Surgery. San Diego, Ca. June 2008.

Duplex-Derived Access Volume Flow (DAVQ): A Novel Predictor of Success Following Endovascular Repair of Failing or Non-Maturing Arterial-Venous Fistulas (AVF) for Hemodialysis. Peripheral Vascular Surgery Society. San Diego, Ca. June 2008.

219 Vascular Fellows' Perception of the future of Vascular Surgery. 6th Annual Western Vascular Institute Symposium. May 28th – 30th, 2008. Galway, Ireland.

Re-entry devices: Application and utility. 6th Annual Western Vascular Institute Symposium. May 28th – 30th, 2008. Galway, Ireland.

Lower extremity revascularisation in 1000 Cases: Lessons learned with Duplex arteriography. 6th Annual Western Vascular Institute Symposium. May 28th – 30th, 2008. Galway, Ireland.

Drawbacks of SVC filters and risk factors for mortality in patients with upper extremity DVT. 6th Annual Western Vascular Institute Symposium. May 28th – 30th, 2008. Galway, Ireland.

DOQI Guidelines: Have they had their intended impact? 6th Annual Western Vascular Institute Symposium. May 28th – 30th, 2008. Galway, Ireland.

219 Vascular Fellows; Assessment of Their Training. Poster presentation. Society for Clinical Vascular Surgery. Las Vegas, Nevada, March 2008.

Popliteal Volume Flow Measurements With Duplex Is A Reliable Predictor Of Early And Midterm Patency After PTA And Subintimal PTA: It Should Be A Guide For Stent Placement. Veith symposium. NYC. Nov 16, 2007.

Publications from the U.S. Program directors in vascular surgery from 2001 to 2007. Vascular Society of India, Baroda, India 2007. October 27-29, 2007.

Use of a Starclose Device for Closure of Inadvertent Subclavian Artery Punctures. Vascular Society of India, Baroda, India 2007. October 27-29, 2007.

Simultaneous Bypass Operations and coil Embolization of Popliteal Artery Aneurysms : A New and Safe Hybrid Approach to Minimize Dissection and Blood Loss. Vascular Society of India, Baroda, India 2007. October 27-29, 2007.

Simultaneous Bypass Operations And Coil Embolization of Popliteal Artery Aneurysms: A New And Safe Hybrid Approach To Minimize Dissection And Blood Loss. Eastern Vascular Society. Baltimore, MD, Sept 27-29, 2007.

Percutaneous Treatment of the SFA - Re Entry Devices – Application and Utility. Eastern Vascular Society. Baltimore, MD, Sept 27-29, 2007.

Bilateral Internal Iliac Artery Aneurysm Infected with Campylobacter Fetus: A Case Report. Eastern Vascular Society. Baltimore, MD, Sept 27-29, 2007.

Infrainguinal Balloon Angioplasty for Arterial Occlusive Disease: A Comparison of Duplex-Guided (DG) With Dye-Based Fluoroscopy (DBF) in a Recent Series. Society for Vascular Surgery, rapid paced session. June 7-10 2007. Baltimore, MD.

92 Vascular Fellows' Assessment of Their Training. Society for Vascular Surgery, rapid paced session. June 7-10 2007. Baltimore, MD.

DOQI Guidelines: Have They Had Their Intended Impact? Postgraduate Course
Dialysis Access 2007: Contemporary Practice. Society for Vascular Surgery, rapid paced session. June 7-10 2007. Baltimore, MD.

Long Term follow-up for SVC filter placement. Greater Maimonides Day. May 9, 2007. Brooklyn, NY

219 Vascular Fellows' Perception of the Future of Vascular Surgery. May 2007, European Vascular Course. Marseilles, France.

Update on Prevention of Perioperative Myocardial Infarction. Postgraduate Course: Strategies to Improve Care of the Vascular Patient. Society for Clinical Vascular Surgery. March 21- 24, 2007. Orlando, Fla.

Vascular Lab Overview. Society for Clinical Vascular Surgery. Peripheral Arterial Duplex Imaging. Society for Clinical Vascular Surgery. March 21- 24, 2007. Orlando, Fla.

Limitations and Lessons Learned from a Clinical Experience of 1020 Duplex Arteriograms (DA). New York Surgical Society. New York Hospital. February 7, 2007.

Carotid Artery Stump Pressure (CASP) in 1135 Consecutive Endarterectomies Under General Anesthesia: An Old Method That Survived the Test of Times. New York Surgical Society. NY Hospital. Nov 1, 2006.

92 Vascular Fellows' Perception of the Future of Vascular Surgery. Eastern Vascular Society, Washington DC. Sept 30, 2006.

Predictive Factors Of Patency Following Femoral-Popliteal Arterial Balloon Angioplasty (FPBA) And Stenting: Is Recoil A Bad Sign? New England Vascular Society. Boston, Mass. Sept 23, 2006.

Popliteal Artery Volume Flow Measurement: Is It A Reliable Predictor of Early Patency Following Infrainguinal Balloon Angioplasty and Subintimal Dissection? Society for Vascular Surgery, June 3, 2006.

Limitations and Lessons Learned from a Clinical Experience of 1020 Duplex Arteriograms (DA). Society for Vascular Surgery, June 3, 2006. rapid-fire session.

Carotid Artery Stump Pressure (CASP) in 975 Consecutive Endarterectomies Under General Anesthesia: An Old Method That Survived the Test of Times. Peripheral Vascular Society. June 2, 2006.

Endovascular AAA repair: Advantages, Complications, and Contraindications. Maimonides Medical Center Nursing Grand Rounds. May 12, 2006.

Cardiac Tamponade Following The Placement of SVC Filter in Two Young Males. SCVS, March 8-12, 2006. Las Vegas.

Long Term Follow-up for SVC Filter Placement. SCVS, March 8-12, 2006. Las Vegas.

Duplex-guided Angioplasty of Failing Arterio-venous Access. SCVS, March 8-12, 2006. Las Vegas.

Does Radiofrequency Ablation Of The Greater Saphenous Vein Abolish Popliteal Vein Reflux? 2005 Veith Symposium, NYC NY. Nov 18, 2005.

New concepts in upper extremity DVT. Merida, Mexico, Sept 28-October 1, 2005. 37th Reunion nacional de Angiologia y Cirugia Vascular.

The best imaging modality for infrainguinal arterial disease: CTA, MRA, or Duplex arteriography? Merida, Mexico, Sept 28-October 1, 2005. 37th Reunion nacional de Angiologia y Cirugia Vascular.

Iatrogenic injuries of the common femoral artery (CFA) and external iliac artery (EIA) during endograft placement: an often underdiagnosed entity. Merida, Mexico, Sept 28-October 1, 2005. 37th Reunion nacional de Angiologia y Cirugia Vascular.

The long term impact of the dialysis outcome quality initiative (DOQI). Guidelines on arteriovenous accesses. Merida, Mexico, Sept 28-October 1, 2005. 37th Reunion nacional de Angiologia y Cirugia Vascular. Conferencias Magistrales.

Duplex Guided Balloon Angioplasty of Infrapopliteal Arteries: Early Results With A New Approach To Avoid Radiation Exposure And Contrast Material. Eastern Vascular Society, Pittsburgh, PA , May 5-7, 2005.

Mini Skin Incision for Carotid Endarterectomy (CEA): A New and Safe Alternative to the Standard Approach. Eastern Vascular Society, Pittsburgh, PA , May 5-7, 2005

CT-Angio, MRA, Contrast Arteriography versus Duplex Scanning for Infringuinal Occlusive Disease. Eastern Vascular Society, Pittsburgh, PA , May 5-7, 2005. Non-invasive symposium.

Iatrogenic Injuries Of the Common Femoral Artery (CFA) and External Iliac Artery (EIA) During Endograft Placement: An Often Underdiagnosed Entity. Society for Clinical Vascular Surgery. Coral Gables, Fla. May 9-12, 2005. poster presentation.

Should Ilio-Caval Duplex Scan Be Performed In Patients With Lower Extremity Edema and Negative Infringuinal Venous Duplex Scan? Society for Clinical Vascular Surgery. Coral Gables, Fla. May 9-12, 2005. poster presentation.

Realistic Expectations and Candidate Selection For Entry Level Vascular Technologist In A Busy Laboratory. Society for Clinical Vascular Surgery. Coral Gables, Fla. May 9-12, 2005. poster presentation.

Comparison Of CTA To Contrast Arteriography For Patients Undergoing Lower Extremity Revascularization Procedures. Society for Clinical Vascular Surgery. Coral Gables, Fla. May 9-12, 2005. poster presentation.

Assessing the Future Of Vascular Surgery. Society for Clinical Vascular Surgery. Coral Gables, Fla. May 9-12, 2005. poster presentation.

Risk Factors For Pulmonary Embolism (PE) With Upper Extremity Deep Venous Thrombosis (UEDVT). Society for Clinical Vascular Surgery. Coral Gables, Fla. May 9-12, 2005. poster presentation.

Does Radiofrequency Ablation Of the Great Saphenous Vein Abolish Popliteal Vein Reflux? Society for Clinical Vascular Surgery. Coral Gables, Fla. May 9-12, 2005. oral presentation.

The best imaging modality for infringuinal occlusive arterial disease: CTA, MRA or duplex scanning. Recent Advances in the treatment of vascular Disease. March 24, 2005. Brooklyn, NY.

Comparison of CTA to Contrast Arteriography for patients undergoing lower extremity revascularization procedures. Marco Island, Fla. Southern Association for Vascular Surgery. January 22, 2005.

Risk of upper Extremity DVT and how it should be currently managed. November 19, 2004. Veith Symposium, NYC

New concepts in Upper Extremity DVT. November 4, 2004, Rio de Janeiro, Brazil. 1st Pan-American Venous Forum.

Morbidity and Mortality Associated with Brachial Vein Thromboses. Western Vascular Society. Victoria, Canada, September 12, 2004.

Carotid Endarterectomy (CEA) in Presence of Chronic Renal Insufficiency (CRI): A Word of Caution. Eastern Vascular Society. Philadelphia. April 29th, 2004.

Concordant Overexpression of Nitric Oxide Synthases and Transforming Growth Factor – Beta in Aortic and Peripheral Artery Aneurysms: Implications for Aneurysm Progression. Eastern Vascular Society. Philadelphia. April 29th, 2004.

Current Status and Methodologies other than duplex scanning for arterial disease. IV Symposium on the Modern Noninvasive vascular Laboratory. Eastern Vascular Society. Philadelphia. April 29th, 2004.

Expert Panel: Access Symposium. Eastern Vascular Society. Philadelphia. April 29th, 2004.

2004 Young Investigators Ad-Hoc Committee Eastern Vascular Society.

Upper extremity deep venous thrombosis: A significant predictor of mortality in hospitalized patients. Eastern Vascular Society. Philadelphia. April 29th, 2004.

Adjuncts for Infrainguinal Bypass to the Pedal Arteries. International Society for Cardiovascular Surgery. Oral presentation. Maui, Hawaii, March 21-25, 2004.

Carotid Endarterectomy in Octogenarians and Nonagenarians: Is it Worth the Effort? International Society for Cardiovascular Surgery. Oral presentation. Maui, Hawaii, March 21-25, 2004.

Posterior Transverse Plication (PTP) of the Redundant Carotid Artery: A Safe and Hemodynamically Effective Adjunctive Technique During Endarterectomy. International Society for Cardiovascular Surgery. Oral presentation. Maui, Hawaii, March 21-25, 2004.

Prospective Evaluation of Combined Upper and Lower Extremity DVT. International Society for Cardiovascular Surgery. Oral presentation. Maui, Hawaii, March 21-25, 2004.

The Long Term Impact of The Dialysis Outcome Quality Initiative (DOQI) Guidelines on Arteriovenous Accesses. International Society for Cardiovascular Surgery. Oral presentation. Maui, Hawaii, March 21-25, 2004.

A Ten-Year Experience With Complimentary Distal Arteriovenous Fistula and Deep Vein Interposition for Infrapopliteal Prosthetic Bypasses. International Society for Cardiovascular Surgery. Oral presentation. Maui, Hawaii, March 21-25, 2004.

Cotinine Induced Alterations in Programmed Cell Death and Migration of Vascular Smooth Muscle Cells (VSMCS). International Society for Cardiovascular Surgery. Oral presentation. Maui, Hawaii, March 21-25, 2004.

The Cell Signaling Mechanisms of p53 in Inhibition of Neointimal Hyperplasia in the Rat Carotid Injury Model. International Society for Cardiovascular Surgery. Oral presentation. Maui, Hawaii, March 21-25, 2004.

Carotid Endarterectomy (CEA) in Asymptomatic Patients with Chronic Renal Insufficiency. International Society for Cardiovascular Surgery. Oral presentation. Maui, Hawaii, March 21-25, 2004.

Effect of B-Mode Ultrasound Imaging in the Assessment of Carotid Artery Stenosis. International Society for Cardiovascular Surgery. Poster presentation. Maui, Hawaii, March 21-25, 2004.

Hemodynamic Duplex Parameters of the Recipient Infrapopliteal Artery Prior to Limb Salvage Bypass Operations as Predictors of Graft Patency. International Society for Cardiovascular Surgery. Poster presentation. Maui, Hawaii, March 21-25, 2004.

Combined Axillary and Interscalene (AXIS) Block - A Preferred Technique for Creation of Upper Extremity Arteriovenous Fistulae. International Society for Cardiovascular Surgery. Poster presentation. Maui, Hawaii, March 21-25, 2004.

Reproducibility of Carotid Ultrasound Stenosis and Velocity Measurements. International Society for Cardiovascular Surgery. Poster presentation. Maui, Hawaii, March 21-25, 2004.

Preoperative Findings in Patients Undergoing Carotid Endarterectomy: The Growing Importance of Ultrasound Imaging Measurements. International Society for Cardiovascular Surgery. Poster presentation. Maui, Hawaii, March 21-25, 2004.

Internal Carotid Artery (ICA) Thrombosis Following Endarterectomy; Incidence and Etiologic Factors in a Modern Series. International Society for Cardiovascular Surgery. Poster presentation. Maui, Hawaii, March 21-25, 2004.

Early Sartorius Muscle Transposition for Groin Wound Necrosis. International Society for Cardiovascular Surgery. Poster presentation. Maui, Hawaii, March 21-25, 2004.

Brachial Vein AV Fistulae-A Failed Experiment. International Society for Cardiovascular Surgery. Poster presentation. Maui, Hawaii, March 21-25, 2004.

Increased Frequency of Positive Findings in Ultrasound Testing for Deep Venous Thrombosis. International Society for Cardiovascular Surgery. Poster presentation. Maui, Hawaii, March 21-25, 2004.

Current Concepts in the Etiology & Management of Upper Extremity Deep Vein Thrombosis. 5th Annual Symposium on Recent Advances in the Treatment of Vascular Diseases. Maimonides Medical Center. Brooklyn, NY March 18, 2004.

A Ten-Year Experience With Complimentary Distal Arteriovenous Fistula and Deep Vein Interposition for Infrapopliteal Prosthetic Bypasses. 32nd Annual Symposium on Vascular Surgery March 10-13, 2004, Society for Clinical Vascular Surgery, Rancho Mirage, California

Hemodynamic Duplex Parameters of the Recipient Infrapopliteal Artery Prior To Limb Salvage Bypass Operations As Predictors of Graft Patency. 32nd Annual Symposium on Vascular Surgery March 10-13, 2004, Society for Clinical Vascular Surgery, Rancho Mirage, California

Impact of Duplex Ultrasonography In the Management of Acute Limb Threatening Ischemia from Thrombosed Popliteal Aneurysms. 32nd Annual Symposium on Vascular Surgery March 10-13, 2004, Society for Clinical Vascular Surgery, Rancho Mirage, California

The Long Term Impact of the Dialysis Outcome Quality Initiative (DOQI) Guidelines On Arteriovenous Accesses. 32nd Annual Symposium on Vascular Surgery March 10-13, 2004, Society for Clinical Vascular Surgery, Rancho Mirage, California

Cotinine Induced Alterations In Programmed Cell Death and Migration of Vascular Smooth Muscle Cells (VSMCS). 32nd Annual Symposium on Vascular Surgery March 10-13, 2004, Society for Clinical Vascular Surgery, Rancho Mirage, California

Morbidity and Mortality Associated With Internal Jugular Vein Thrombosis. 32nd Annual Symposium on Vascular Surgery March 10-13, 2004, Society for Clinical Vascular Surgery, Rancho Mirage, California

Overexpression of Transforming Growth Factor – Beta1 Correlates With Increased Synthesis of Nitric Oxide Synthase in Varicose Veins. American Venous Forum. Oral presentation. Orlando, Fla. February 26-29, 2004.

Deep Venous Thrombosis Following Radiofrequency Ablation (RFA) of Greater Saphenous Vein (GSV) : A Word of Caution. American Venous Forum. Oral presentation. Orlando, Fla. February 26-29, 2004.

Morbidity and Mortality Associated with Internal Jugular Vein Thrombosis. American Venous Forum. Poster presentation. Orlando, Fla. February 26-29, 2004.

Carotid endarterectomy in octogenarians and nonagenarians: is it worth

The effort? European Society for Cardiovascular Surgery. Istanbul, Turkey. Nov 7-10, 2003.

Correlation of intraoperative internal carotid artery (ICA) peak systolic Velocities (PSV) with early restenosis following carotid endarterectomy (CEA). Istanbul, Turkey. Nov 7-10, 2003. European Society for Cardiovascular Surgery.

Posterior transverse plication (PTP) of the redundant carotid artery: a Safe and Hemodynamically effective adjunctive technique during endarterectomy. Istanbul, Turkey. Nov 7-10, 2003. European Society for Cardiovascular Surgery.

A ten-year experience with complimentary distal arteriovenous fistula and Deep vein Interposition for infrapopliteal prosthetic bypasses. Istanbul, Turkey. Nov 7-10, 2003. European Society for Cardiovascular Surgery.

The role of the endovascular surgeon for lower extremity ischemia. Istanbul, Turkey. Nov 7-10, 2003. European Society for Cardiovascular Surgery.

Hemodynamic duplex parameters of the recipient infrapopliteal artery Prior to limb Salvage bypass operations as predictors of graft patency. Istanbul, Turkey. Nov 7-10, 2003. European Society for Cardiovascular Surgery.

Impact of duplex ultrasonography in the management of acute limb threatening Ischemia from thrombosed popliteal aneurysms. Istanbul, Turkey. Nov 7-10, 2003. European Society for Cardiovascular Surgery.

The cell signaling mechanisms of p53 in inhibition of neointimal hyperplasia in the rat Carotid injury model. Istanbul, Turkey. Nov 7-10, 2003. European Society for Cardiovascular Surgery.

Endovascular management of occluded axillo-femoral bypass graft stump syndrome. Istanbul, Turkey. Nov 7-10, 2003. European Society for Cardiovascular Surgery.

Preoperative findings in patients undergoing carotid endarterectomy: the growing importance of ultrasound imaging measurements. Istanbul, Turkey. Nov 7-10, 2003. European Society for Cardiovascular Surgery.

Reproducibility of carotid ultrasound stenosis and velocity measurements. Istanbul, Turkey. Nov 7-10, 2003. European Society for Cardiovascular Surgery.

Continine induced alterations in programmed cell death and migration of Vascular Smooth muscle cells (VSMCS). Istanbul, Turkey. Nov 7-10, 2003. European Society for Cardiovascular Surgery.

Combined axillary and interscalene (AXIS) block: a preferred technique for Creation of upper Extremity arteriovenous fistulae. Istanbul, Turkey. Nov 7-10, 2003. European Society for Cardiovascular Surgery.

Effect of b-mode ultrasound imaging in the assessment of carotid artery stenosis. Istanbul, Turkey. Nov 7-10, 2003. European Society for Cardiovascular Surgery.

Modern vascular laboratory findings in patients evaluated for lower extremity deep venous thrombosis (DVT). Istanbul, Turkey. Nov 7-10, 2003. European Society for Cardiovascular Surgery.

The cell signaling mechanisms of p53 in inhibition of neointimal hyperplasia in the Rat carotid Injury model. Istanbul, Turkey. Nov 7-10, 2003. European Society for Cardiovascular Surgery.

Characterization of a new clinical entity: the distal superficial femoral artery. Istanbul, Turkey. Nov 7-10, 2003. European Society for Cardiovascular Surgery.

Prospective evaluation of combined upper and lower extremity DVT. Istanbul, Turkey. Nov 7-10, 2003. European Society for Cardiovascular Surgery.

Differential expression of nitric oxide synthases and caspase 3 in peripheral Artery Aneurysms. Istanbul, Turkey. Nov 7-10, 2003. European Society for Cardiovascular Surgery.

Lower extremity deep venous thrombosis: vascular laboratory quality Assurance without Correlation between ultrasound and venography. Istanbul, Turkey. Nov 7-10, 2003. European Society for Cardiovascular Surgery.

Program committee 2002, 2003 Society for Clinical Vascular Surgery. Chicago, Il, October 2003.

Acute limb threatening ischemia from thrombosis of popliteal artery aneurysm following endovascular repair of abdominal aortic aneurysm. Breakfast session. New England society for Vascular Surgery. September 21, 2003.

Carotid Endarterectomy under seige: the impact of intraoperative duplex scanning on the growing demand for near zero complications. May 2, 2003. NYC, New York. Eastern Vascular Society.

MRA vs duplex mapping for infrainguinal arterial disease. May 4, 2003. NYC, New York. Eastern Vascular Society.

MRA vs duplex arteriography for patients undergoing lower extremity revascularization: which is the best replacement for contrast arteriography. Society for Clinical Vascular Surgery. March 7, 2003. Oral presentation. Miami, Fla.

Primary arteriovenous fistulae: How to get the best results the first time and if reintervention is necessary. Annual Pennsylvania Hospital Vascular Symposium. April 24th 2003.

Spectacular Cases from Residents, American College of Surgeons, Vascular Section, panel member, April 15, 2003. NY, NY.

Renal and Visceral Angioplasties: Indications, Techniques and Results. 4th Annual Vascular Symposium. Brooklyn NY March 20,2003.

Endovascular Management of occluded Axillo-femoral bypass stump syndrome. Society for Clinical Vascular Surgery Miami Fla. March 8, 2003.

Infrainguinal complications of EVAR. Society for Clinical Vascular Surgery Miami Fla. March 8, 2003.

P38MAPK signaling cascade in a VSMC injury model: role of MAPK inhibitors in limiting VSMC proliferation. European society for Vascular Surgery. Sept 28, 2002, Istanbul, Turkey.

An All autologous policy for vascular access. April 9 2002. 20th World Congress on the International Union of Angiology. NYC, NY

Duplex arteriography as an alternative to invasive methods for infrainguinal reconstructions: experience with 500 cases. Society for Clinical Vascular Surgery, March 17, 2002. Las Vegas Nevada.

Strategies for management of patients on chronic hemodialysis. Maimonides Vascular Forum March 21, 2002. Maimonides Medical Center, Brooklyn NY

Carotid Surgery without External Carotid Endarterectomy: A 6-year clinical experience with 1027 cases. Oral presentation. Presented at the 15th Annual Meeting of the European Society for Vascular Surgery. Lucerne, Switzerland. September 28, 2001.

Von Hippel - Lindau Gene Transfer Into Human Vascular Smooth Muscle Cell Limit Its Proliferative Ability By Regulation Of Apoptosis. Annual Meeting of New England Society for Vascular Surgery, Providence, RI. Sept 19, 2001.

A Comparison of MRA, Contrast Arteriography and Duplex Ultrasound Arterial Mapping for Patients Undergoing Lower Extremity Revascularization. Annual Meeting of New England Society for Vascular Surgery, Providence, RI. Sept 19, 2001.

Dyeless Vascular Surgery. Oral presentation. Presented at the International Society for Cardiovascular Surgery, September 13, 2001. Cancun, Mexico.

Hemodynamics of Infrapopliteal PTFE Bypasses with Adjunctive Arteriovenous Fistulas. Oral presentation. Presented at the International Society for Cardiovascular Surgery, September 13, 2001. Cancun, Mexico

Causes of Early Post Carotid Endarterectomy Stroke in a Recent Series: The Increasing Importance of Hyperperfusion Syndrome. Oral presentation. Presented at the International Society for Cardiovascular Surgery, September 13, 2001. Cancun, Mexico.

The Role Of Apoptosis And Proteolysis In The Pathogenesis Of Iliac Artery Aneurysms. Oral presentation. Presented at the International Society for Cardiovascular Surgery, September 13, 2001. Cancun, Mexico.

Early Transposition Of The Sartorius Muscle For Exposed Patent Infrainguinal Bypass Grafts. Oral presentation. Presented at the International Society for Cardiovascular Surgery, September 13, 2001. Cancun, Mexico.

Dyeless Vascular Surgery. Poster Society for Vascular Surgery, Baltimore MD. June 11, 2001.

Carotid Surgery without External Carotid Endarterectomy for Symptomatic and Asymptomatic Patients: An Eight Year Experience. Poster Society for Vascular Surgery, Baltimore MD. June 11, 2001.

Cotinine Induced Alterations in Programmed Cell Death and Migration of Vascular Smooth Muscle Cells (VSMCs). Poster. Society for Vascular Surgery, Baltimore MD. June 11, 2001.

Initial Step in the Unifying Theory of the Pathogenesis of Arterial Aneurysms. Poster. Society for Vascular Surgery, Baltimore MD. June 11, 2001.

Glycine Attenuates Mesenteric Ischemia/Reperfusion Injury in a Rat Model by Inhibition of the Apoptotic Cascade. Oral. Lifeline Research Forum. Society for Vascular Surgery, Baltimore MD. June 10, 2001.

Initial Step in the Unifying Theory of the Pathogenesis of Arterial Aneurysms. Maimonides Board of Trustees. Research presentation June 4, 2001.

Characterization of a new Clinical Syndrome: The Distal Superficial Femoral Artery Syndrome. Maimonides Day, Brooklyn NY. May 16, 2001.

Causes of Early Stroke after Carotid Endarterectomy in a recent series: The importance of Hyperperfusion Syndrome. Maimonides Day, Brooklyn NY. May 16, 2001.

Impact of Reintervention for failing upper extremity arteriovenous fistulae for hemodialysis access. Oral presentation. Eastern Vascular Society. Washington DC May 6, 2001.

Initial Steps in the Unifying Theory of the Pathogenesis of Arterial Aneurysms. Poster presentation. Eastern Vascular Society. Washington DC May 6, 2001. Second prize best poster presentation.

P53 Gene Transfer to the Injured Rat Carotid Artery; Its Role in Reducing Neointimal Formation & Apoptosis. Poster presentation. Eastern Vascular Society. Washington DC May 6, 2001.

Characterization of a New Clinical Entity: the Distal Superficial Femoral Artery (SFA) Syndrome. Poster presentation. Eastern Vascular Society. Washington DC May 6, 2001.

The effect of Cotinine on the Telomerase Activity in Human Vascular Smooth Muscle Cells. Poster presentation. Eastern Vascular Society. Washington DC May 6, 2001.

An all autogenous policy for AV access: Basilic versus cephalic vein transposition. Oral. Symposium on vascular access for hemodialysis at the 29th annual meeting for the Society for Clinical Vascular Surgery. April 5, 2000. Boca Raton, Fla.

Safety and Efficacy of Low Molecular Weight Heparin Following Vascular Procedures. Society for Clinical Vascular Surgery April 5, 2001. Boca Raton Fla.

Limb Salvage: When endovascular therapy is indicated. 2nd Symposium on Recent Advances in Vascular Diseases. Maimonides Medical Center, March 14, 2001.

Carotid Endarterectomy In Octogenarians: Is It Worth The Effort? International Stroke Conference. Lauderdale, Fla. Feb 14, 2001. Oral presentation.

Molecular Analysis of Factors Contributing to Carotid Atherosclerotic Plaque Instability: Atheromatous versus Fibrous Plaques. International Stroke Conference. Lauderdale, Fla. Feb 14, 2001. Poster presentation.

Rationale and Technique For Placement of Superior Vena Cava Filters: An Experience With 70 Cases. Oral presentation. The 6th Pan American Congress on Vascular and Endovascular Surgery. Rio De Janiero, Brazil, December 6, 2000.

Examination of the apoptotic pathway an proteolysis in the pathogenesis of popliteal artery aneurysms. Oral presentation Association of Academic Surgery. November 4, 2000. Tampa Fla.

The effect of cotinine on telomerase activity in human vascular smooth muscle cells. Association of Academic Surgery. Oral presentation. November 4, 2000. Tampa Fla.

The cell Signaling Mechanisms of p53 in inhibition of neointimal hyperplasia in the rat carotid injury model. Oral presentation. October 25, 2000. Surgical Forum. American College of Surgeons. Chicago Ill

Does repeat duplex ultrasound for lower extremity deep vein thrombosis influence patient management? Oral presentation. XIV Annual Meeting of the European Society for Vascular Surgery. London, 22 - 25 September 2000.

Examination of The Apoptotic Pathway And Proteolysis In The Pathogenesis of Popliteal Artery Aneurysms. Oral presentation. XIV Annual Meeting of the European Society for Vascular Surgery. London, 22 - 25 September 2000.

Von Hippel-Lindau Gene Therapy: A Novel Strategy In Limiting Endothelial Cell Proliferative Activity. Oral presentation. XIV Annual Meeting of the European Society for Vascular Surgery. London, 22 - 25 September 2000.

The value and limitations of the arm cephalic and basilic vein for arteriovenous access. Oral presentation. June 10, Toronto CA, 2000 Peripheral Vascular Surgery.

Von Hippel-Lindau gene: a Novel strategy i limiting endothelial cell proliferative activity. Oral presentation. June 10, Toronto CA, 2000 Peripheral Vascular Surgery.

Early Transposition Of The Sartorius Muscle For Exposed Patent Infrainguinal Bypass Grafts. Poster June 11-14 2000, Toronto CA, joint meeting of International Society of Cardiovascular Surgery- NA chapter and the Society for Vascular Surgery.

The value and limitations of the arm cephalic and basilic vein for arteriovenous access. Poster June 11-14 2000, Toronto CA, joint meeting of International Society of Cardiovascular Surgery- NA chapter and the Society for Vascular Surgery.

The DOQI study and its impact on the Maimonides experience. Oral presentation. April 5, 2000. Maimonides Medical Center Day.

Molecular Analysis of Factors Affecting Plaque Stability in Fibrous and Atheromatous Plaques in Carotid Atherosclerotic Disease. Oral presentation. March 15-19, 2000 Society for Clinical Vascular Surgery. Rancho Mirage CA.

Upper Extremity Deep Venous Thrombosis: An under-recognized manifestation of a hypercoagulable state. March 15-19, 2000 Society for Clinical Vascular Surgery. Rancho Mirage CA.

The Effect of Cotinine on Telomerase Activity in Human Vascular Smooth Muscle Cells. Poster presentation, at the 28th Annual Symposium on Vascular Surgery of the Society of Clinical Vascular Surgery, Rancho Mirage, California, March 15, 2000.

The DOQI study and its impact on the Maimonides experience. Oral presentation. Symposium on Vascular Access for Hemodialysis. March 15-19, 2000 Society for Clinical Vascular Surgery. Rancho Mirage CA.

Changes in the Practice of Angioaccess Surgery: Impact of Dialysis Outcome and Quality Initiative (DOQI) Recommendations. Oral presentation. New York Surgical Society. Cornell Medical Center. February 9. 2000.

Lessons Learned from a Six-Year Clinical Experience with Superior Vena Cava Greenfield Filters. Oral presentation. American Venous Forum. February 6, 2000, Phoenix, AZ.

Co-chair Recent Advances in Vascular Diseases at Maimonides Medical Center, Brooklyn NY. December 1999.

Upper Extremity Deep Vein Thrombosis. Oral presentation. Recent Advances in Vascular Diseases at Maimonides Medical Center, Brooklyn NY. December 1999.

Cell Cycle Turnover and its role in the Pathogenesis of Varicose Veins. Annual Meeting of Western Vascular Society, Lake Tahoe, California, Sept.19-22, 1999. Oral presentation. Submitted for publication in J Vasc Surg.

Screening for Carotid Disease in CABG patient: Is it worthwhile? November 9, 1999, New York Surgical Society. Oral presentation. Submitted Annals of Vascular Surgery.

Signaling Mechanisms of p53 in inhibition of neointimal hyperplasia in the rat carotid injury model. Poster presentation. November 8,1999, American Heart Association 72nd Scientific Sessions. Atlanta, GA.

Peripheral Artery Aneurysm Development: Analysis of biochemical alterations. Young Investigators Session. Poster presentation. November 8,1999, American Heart Association 72nd Scientific Sessions. Atlanta, GA.

The safety and efficacy of the posterior transverse plication technique for the treatment of a redundant internal carotid artery during endarterectomy. Oral presentation. 24th World Congress. International Society of Cardiovascular Surgery. Melbourne, Australia, Sept 14, 1999, submitted Journal of Cardiovascular Surgery.

Combined upper and lower extremity deep venous thrombosis. 24th World Congress. International Society of Cardiovascular Surgery. Melbourne, Australia, Sept 14, 1999, submitted Journal of Cardiovascular Surgery.

Signaling event in the apoptotic cascade in the carotid plaque. 24th World Congress. International Society of Cardiovascular Surgery. Melbourne, Australia, Sept 15, 1999, submitted Journal of Cardiovascular Surgery.

Co-chair Research I session, 24th World Congress. International Society of Cardiovascular Surgery. Melbourne, Australia, Sept 15, 1999.

The DOQI study and its impact on the Maimonides experience. Oral presentation. Society of Vascular Surgery. Society of Vascular Surgery. June 9, 1999 Washington DC.

The role of Cyclin D1 in the Apoptotic Cascade in the Etiology of Varicose Veins. Society of Vascular Medicine and Biology June 5, 1999 Washington DC.

Screening for Carotid Disease in CABG patient: Is It Worthwhile? Oral presentation. Eastern Vascular Society. May 1999. Pittsburgh PA. Submitted JVS

New York Surgical Society April 7, 1999. Oral presentation. The Changing Characteristics of Carotid Endarterectomy. Submitted Annals of Surgery.

Upper Extremity Deep Venous Thrombosis. Oral presentation. Presented at the Panamerican Congress on Vascular Surgery. Rio De Janeiro, Brazil. November 7, 1998.

The impact of Internal Carotid Artery Occlusion in Patients undergoing CABG. Oral presentation. New York Surgical Society December 1998.

The control of intimal hyperplasia from baby aspirin to gene therapy. Oral presentation. Rio De Janeiro, Brazil. November 5, 1998.

Carotid-Carotid Bypass. Interesting Case Presentation. Oral presentation. September 28, 1998 New York Vascular Society.

Upper extremity Deep Venous Thrombosis: an Under-Recognized Manifestation of a Hypercoagulable State. Joint meeting of the SVS and ISCVS, San Diego CA. Submitted JVS June 7-10, 1998.

Combined "Permanent" Access Catheters And AV Fistulas: A Reasonable Alternative To Synthetic Grafts. Oral presentation. Second Northeastern Conference on Vascular Access for Hemodialysis. NYC NY. May 15 1998

The control of intimal hyperplasia from baby aspirin to gene therapy. Oral presentation. Second Northeastern Conference on Vascular Access for Hemodialysis. NYC NY May 15 1998

Superior Vena Cava Greenfield Filters: Indications, Techniques & Intermediate Results. Oral presentation. First place Maimonides Medical Center. April 23, 1998

Review for the Venous Digest: Thrombosis of the Proximal Greater Saphenous Vein: Ultrasonographic Diagnosis and Clinical Significance. February 1998

The Roles of Tumor Necrosis Factor Binding Protein (TNF-BP) and Interleukin-1 receptor antagonist (Il-1 ra) on the Development of Abdominal Aortic Aneurysms (AAAs) in a Rat Model. Journal of Vascular Surgery. September 1997

The value and limitations of magnetic resonance angiography of the circle of Willis in patients undergoing carotid endarterectomy. Oral presentation. International Society for Cardiovascular Surgery, London England. September 22, 1997

The Significance of Greater Saphenous Vein versus lesser saphenous vein thrombophlebitis in predicting hypercoagulability. Oral presentation. Presented at the International Society for Cardiovascular Surgery, London England. September 25, 1997

Upper Versus Lower Extremity Deep Vain thrombosis: An Analysis of Morbidity and Mortality. Oral presentation. International Society for Cardiovascular Surgery, London England. September 25, 1997.

Mortality and Morbidity of Upper Extremity DVT: Making a Case for Superior Vena Cava Filters. Oral presentation. The Third Annual New York Symposium on Vascular and Endovascular Techniques, New York. September 12-13, 1997

Balloons, Stents, Filters etc. The 5-Year Endovascular Surgery Program at Maimonides. Oral presentation. The Third Annual New York Symposium on Vascular and Endovascular Techniques, New York. September 12-13, 1997

The Roles of Tumor Necrosis Factor Binding Protein (TNF-BP) and Interleukin-1 receptor antagonist (Il-1 ra) on the Development of Abdominal Aortic Aneurysms (AAAs) in a Rat Model. Presented as poster at the Society of Vascular Surgery, Boston Mass. June 1-4, 1997

Superior Vena Cava Greenfield Filters: Indications, Techniques & Intermediate Results. Oral presentation. Eastern Vascular Society meeting, Atlantic City, New Jersey. May 2, 1997

The Roles of Tumor Necrosis Factor Binding Protein (TNF-BP) and Interleukin-1 receptor antagonist (Il-1 ra) on the Development of Abdominal Aortic Aneurysms is a Rat Model. Oral presentation. Maimonides Medical Center Research Day, Brooklyn, NY. April 9, 1997

Upper Extremity Deep Venous Thrombosis: An Underrecognized Manifestation of a Hypercoagulable State. Oral presentation. Maimonides Medical Center Research Day, Brooklyn, NY. April 9, 1997

The Roles of Tumor Necrosis Factor Binding Protein (TNF-BP) and Interleukin-1 receptor antagonist (Il-1 ra) on the Development of Abdominal Aortic Aneurysms (AAAs) in a Rat Model. Oral presentation. Fellow's Competition, New York City, NY. First prize at the 13th Annual Vascular Fellows Abstract Presentation. Robert W Hobson II, MD Award, April 10, 1997.

Upper Extremity Versus Lower Extremity Deep Venous Thrombosis: An Analysis of Morbidity and Mortality. Oral presentation. Society for Clinical Vascular Surgery, Naples, Florida. March 16, 1997. Published Journal of Annals of Surgery August 1997.

Analysis of a Large Series of Patients with Upper Extremity Deep Venous Thrombosis: Impact on Morbidity and Mortality. Oral presentation. American Venous Forum, San Antonio, Texas. Feb 23, 1997 Journal of Vascular Surgery November 1997.

The Increased Mortality of Combined Upper Extremity and Lower Extremity Deep Venous Thrombosis. Oral presentation. Pan-American Congress on Vascular Surgery. Rio De Janeiro, Brazil. Nov 8, 1996

Near total Replacement of Thrombosed A-V Grafts: a Durable and Simple technique. Oral presentation. First annual Northeast meeting on Angioaccess. New York City. Oct 26 1996

Research project studying effects of serotonergic fibers on intracerebral blood vessels of rats at Albany Medical College, Dept of Pharmacology. 587 to 989 Published in the AMC Journal 1988.

Presentations (Co-Authorship)

Value and Limitations of Post-operative duplex checks after Endovenous Thermal Ablation (EVTA). American Venous Forum, March 3-7, 2020, Amelia Island, Fla.

Value and Limitations of Post-Operative Duplexes for Iliac Vein Stenting American Venous Forum, March 3-7, 2020, Amelia Island, Fla.

Risk Factors for Early Iliac Vein Stent Thrombosis for NIVLs. American Venous Forum, March 3-7, 2020, Amelia Island, Fla.

How Old Are The US Vascular Surgical Society Presidents? SCVS, Huntington Beach CA, March 14 -18, 2020 .

The Great Choke, Ovation® Aortic Body Graft Stenosis. November 14, 2019. New York Society of Vascular Surgery. NYC, NY.

Value and Limitations of Post-operative duplex checks after Endovenous Thermal Ablation (EVTA). March 5, 2020. American Venous Forum. Amelia Island.

Value and Limitations of Post-Operative Duplexes for Iliac Vein Stenting. March 6, 2020. American Venous Forum. Amelia Island.

Risk Factors for Early Iliac Vein Stent Thrombosis for NIVLs. March 4, 2020. American Venous Forum. Amelia Island. poster

Radiation Exposure During Iliac Vein Stenting. Society of Vascular Surgery, National Harbor, Jun 13, 2019.

Safety and Efficacy of Endovenous Ablations in Octogenarians, Nonagenarians and Centenarians. Society of Vascular Surgery, National Harbor, Jun 13, 2019.

The Role of Intravenous Sedation in Post-operative Back Pain After Iliac Vein Stenting for Non-thrombotic Iliac Vein Lesions. Society of Vascular Surgery, National Harbor, Jun 13, 2019.

Radiation Exposure During Non-Thrombotic Iliac Vein Stenting. South Asian American Vascular Society. National Harbor, Jun 12, 2019.

Effect of Pre-procedure Clopidogrel with Iliac Vein Stenting. Society of Vascular Surgery, National Harbor, Jun 13, 2019.

Safety and Efficacy of Endovenous Ablations in Octogenarians, Nonagenarians and Centenarians. Society of Vascular Surgery, National Harbor, Jun 13, 2019.

Body Mass Index Does Not Predict Recanalization Following Endovenous Ablation. Society of Vascular Surgery, National Harbor, Jun 13, 2019.

Radiofrequency Ablation Increases the Incidence of Endothermal Heat-Induced Thrombosis. Society of Vascular Surgery, National Harbor, Jun 13, 2019.

Superior Mesenteric Artery Thrombosis Following Necrotizing Pancreatitis. . Society of Vascular Surgery, National Harbor, Jun 13, 2019.

Safety and Efficacy of High-Risk Angioplasty Performed in the Office. Society of Vascular Surgery, National Harbor, Jun 13, 2019.

Pharmacologic Management of Endothermal Heat-Induced Thrombosis. Society of Vascular Surgery, National Harbor, Jun 13, 2019.

Superficial Venous Reflux and Menopause. Society of Vascular Surgery, National Harbor, Jun 13, 2019.

Safety and Efficacy of Using Intravascular Ultrasound for Iliac Vein Stenting. American Venous Forum 2019, Rancho Mirage, CA. February 20, 2019.

Bilateral Iliac Vein Stenting Reduces Great and Small Saphenous Venous Reflux. Rapid Fire presentation. VESS 2019 Annual Meeting Snowbird, UT (January 31 - February 3, 2019).

A real world experience of Drug Eluting And Non-drug Eluting Stents In Lower Extremity Peripheral Arterial Disease. Eastern Vascular Society September 6, 2018.

Does Anesthesia Influence Post-Operative Pain Following in-Office Lower Extremity Angiography? Poster. Eastern Vascular Society September 6, 2018.

Effect of Venogram Puncture Site on Post-Intervention Thrombosis After Iliac Vein STENTING. Poster. Eastern Vascular Society September 6, 2018.

Expansion of Wallstents after Initial Deployment in Iliac Veins. Poster. Eastern Vascular Society September 6, 2018.

Is Bathing Associated with Hemorrhage from Lower Extremity Varices? Poster. Eastern Vascular Society September 6, 2018.

Use of Fluoroscopy in Outpatient Lower Extremity Angiography. Eastern Vascular Society September 6, 2018.

Safety and Efficacy of Venous Ablations in Octogenarians, Nonagenarians, and Centenarians. Eastern Vascular Society September 6, 2018.

A real world experience of Drug Eluting And Non-drug Eluting Stents In Lower Extremity Peripheral Arterial Disease. South Asian American Vascular Society. June 21, 2018.

The Role of Intravenous Sedation in Post-Op Back Pain after Iliac Vein Stenting for NIVLs Poster Session. Vascular Annual Meeting on Thursday, June 21, 2018, SVS . Boston, Mass

A real world experience of Drug Eluting And Non-drug Eluting Stents In Lower Extremity Peripheral Arterial Disease. Vascular Annual Meeting on Thursday, June 21, 2018, SVS . Boston, Mass

Iliac Vein Stent Placement and the Iliocaval Confluence. Thursday, June 20, 2018, VESS . Boston, Mass

Effect of Venogram Puncture Site on Post-Intervention Thrombosis After Iliac Vein Stenting. Eastern Vascular Society e-poster September 2018, Washington DC.

Safety and Efficacy of Venous Ablations in Octogenarians, Nonagenarians, and Centenarians. Eastern Vascular Society e-poster September 2018, Washington DC.

Recanalization after Endovenous Thermal Ablations. New York Surgical Society. March 14, 2018. NYC, NY.

A Black Box or Pandora's Box? IVC Filter Malpractice Litigation in Context. Society of Vascular Surgery. March 17 – 21, 2018 at the Aria, Las Vegas, Nevada.

Safety and Efficacy of Vascular Interventions Performed in a Busy Office-based Surgery Center (OBSC) in Selected Patients with Low and Moderate Periprocedural Risk. Rapid Fire Presentation at the 2017 Annual Meeting of the Eastern Vascular Society. October 5-8, 2017 Savannah, GA.

Analysis of Fluoroscopy use During Endovascular Procedures to Improve Radiation Safety. Rapid Fire Presentation at the 2017 Annual Meeting of the Eastern Vascular Society. October 5-8, 2017 Savannah, GA.

Success Rate and Predictive Factors for Redo Radiofrequency Ablation of Perforator Veins. Oral Presentation at the 2017 Annual Meeting of the Eastern Vascular Society. October 5-8, 2017 Savannah, GA.

Recent Trends in Research Productivity of US Vascular surgery Program Directors and Trainees. Poster Presentation at the 2017 Annual Meeting of the Eastern Vascular Society. October 5-8, 2017 Savannah, GA.

Does Metformin have an effect on Stent Patency Rates. Poster Presentation at the 2017 Annual Meeting of the Eastern Vascular Society. October 5-8, 2017 Savannah, GA.

Effect Of Pre-procedure Clopidogrel With Iliac Vein Stenting. Poster Presentation at the 2017 Annual Meeting of the Eastern Vascular Society. October 5-8, 2017 Savannah, GA.

Routine Use of Ultrasound to Avert Mechanical Complications During Placement of Tunneled Dialysis Catheters for Hemodialysis. Poster Presentation at the 2017 Annual Meeting of the Eastern Vascular Society. October 5-8, 2017 Savannah, GA.

Is It Necessary to Dilate Stents in Nonthrombotic Iliac Vein Lesions? Poster Presentation at the 2017 Annual Meeting of the Eastern Vascular Society. October 5-8, 2017 Savannah, GA.

Effect of Iliac Vein Stenting of NIVLs on Venous Reflux Times. Poster Presentation at the 2017 Annual Meeting of the Eastern Vascular Society. October 5-8, 2017 Savannah, GA.

Recent Trends in Publications of US and European Directors for Vascular Surgery Training. Rapid fire presentation at the 2017 Annual Meeting of the Eastern Vascular Society. October 5-8, 2017 Savannah, GA.

Clinical correlation of success and Acute Thrombotic complications of lower Extremity Endovenous Thermal Ablation . SAAVS meeting San Diego May 31, 2017.

A Black Box or Pandora's Box? Malpractice Litigation and Inferior Vena Cava Filters Thursday, June 1, 2017. Society of Vascular Surgery. San Diego. Poster presentation.

Recent Trends in Publications of U.S. and European Directors for Vascular Surgery Training. Thursday, June 1, 2017. Society of Vascular Surgery. San Diego. Poster presentation.

Success Rate and Predictive Factors for Redo Radiofrequency Ablation of Perforator Veins. Thursday, June 1, 2017. Society of Vascular Surgery. San Diego. Poster presentation.

Does Metformin Have an Effect on Stent Patency Rates? Thursday, June 1, 2017. Society of Vascular Surgery. San Diego. Poster presentation.

A Completely Endovascular Technique for the Treatment of Dialysis-associated Steal Syndrome Thursday, June 1, 2017. Society of Vascular Surgery. San Diego. Poster presentation.

Underexpansion of Iliac Vein Stents in the Treatment of Venous Insufficiency Thursday, June 1, 2017. Society of Vascular Surgery. San Diego. Poster presentation.

Effect of Iliac Vein Stenting of NIVLs on Venous Reflux Times Friday, June 2, 2017. Society of Vascular Surgery. San Diego. Poster presentation.

Recent Trends in Publications of U.S. Vascular Surgery Program Directors Friday, June 2, 2017. Society of Vascular Surgery. San Diego. Poster presentation.

Fast-Track Thrombolysis for Acute Lower Extremity In-Stent Occlusions: A Novel Approach to Minimize Complications of Standard Thrombolytic Therapy. Friday, June 2, 2017. Society of Vascular Surgery. San Diego. Poster presentation.

New endovascular strategies in the management of extensive thrombosis from the tibials to the iliac veins to CV . 33rd Annual Vascular Fellows Abstract Presentation. NYC, NY. May 4, 2017.

Quality Improvement Initiative: Preventative Surgical Site Infection Protocol in Vascular Surgery. NYU Lutheran Medical Center. Caring for Health Quality and Research Award finalist. May 25, 2017.

Fast Track Thrombolysis for Acute Iliofemoral Venous Occlusions: A Novel Approach to minimize Complications of Standard Thrombolytic Therapy. SCVS. March 18 -22, 2017. Orlando, Florida.

Ruptured AAA after EVAR Thrombosis. E-poster presentation SCVS. March 18 -22, 2017. Orlando, Florida.

Clinical Correlation with Failure of Endovenous Therapy for Leg Swelling. SCVS. March 18 -22, 2017. Orlando, Florida.

Fellows Assessment of Their Training . E-poster presentation SCVS. March 18 -22, 2017. Orlando, Florida.

Recanalization after Endovenous Thermal Ablation. Karmody poster presentation SCVS. March 18 -22, 2017. Orlando, Florida.

Recent trends in publications of US and European directors for vascular surgery training. E-poster presentation SCVS. March 18 -22, 2017. Orlando, Florida.

The Implication of Full Metal Jacket for Iliac Vein Stenting. E-poster presentation SCVS. March 18 -22, 2017. Orlando, Florida.

Venous Stenting Versus Venous Ablation. E-poster presentation SCVS. March 18 -22, 2017. Orlando, Florida.

“Duplex Guided Trans-Radial Artery BAM and Fistuloplasties. E-poster presentation SCVS. March 18 -22, 2017. Orlando, Florida.

Recanalization after Endovenous Thermal Ablation. 1st prize Poster presentation. . American Venous Forum. February 14-17, 2017, New Orleans, Louisiana.

The Effect of Balloon Angioplasty of Non-Thrombotic Iliac Vein Lesions. American Venous Forum. February 14-17, 2017, New Orleans, Louisiana.

Fellows Assessment of Their Training. Vascular and Endovascular Surgical Society, 2017 Annual Meeting in Steamboat Springs, CO (February 2-5, 2017).

Some Like It Hot! ePoster , Eastern Vascular Society September 15-17, 2016. Philadelphia, PA.

The Evolution In Publications Of US Vascular Surgery Program Directors . ePoster , Eastern Vascular Society September 15-17, 2016. Philadelphia, PA

The Evolution In Publications Of US Vascular Surgery Program Directors. Poster , Eastern Vascular Society September 15-17, 2016. Philadelphia, PA

The Implication of Full Metal Jacket for Iliac Vein Stenting. ePoster , Eastern Vascular Society September 15-17, 2016. Philadelphia, PA

The Clinical Correlation of Race with Iliac Vein Stenting. ePoster , Eastern Vascular Society September 15-17, 2016. Philadelphia, PA.

Duplex Guided Trans-Radial Artery BAM and Fistuloplasties. ePoster , Eastern Vascular Society September 15-17, 2016. Philadelphia, PA.

Is EHIT Bilateral? ePoster , Eastern Vascular Society September 15-17, 2016. Philadelphia, PA.

Stent Patency for Patients with Advanced Chronic Venous Disease and Nonthrombotic Iliac Veins. May 5th, 2016. 32nd Annual Vascular Fellows Abstract Presentation. New York City, NY

Office Based Procedures: Is Anesthesia Support Needed? Poster. Society for Vascular Surgery. Washington DC. June 2016

Management and Outcome of Partial Subclavian Artery Coverage in Patients Undergoing TEVAR. Poster. Society for Vascular Surgery. Washington DC. June 2016

Management and Outcome of Thrombosed Iliac Vein Stents in Patients with Severe Venous Stasis. Poster. Society for Vascular Surgery. Washington DC. June 2016

Clinical Outcomes for the Novel Oral Anticoagulants After Lower Extremity Arterial Procedures. . Poster. Society for Vascular Surgery. Washington DC. June 2016

Fast Track Thrombolysis and Endovascular Repair for Acute Arterial and Venous Occlusions: A Novel Approach to Minimize Complications of Standard Thrombolytic Therapy. . Poster. Society for Vascular Surgery. Washington DC. June 2016

Recanalization After Endovenous Thermal Ablation. . Poster. Society for Vascular Surgery. Washington DC. June 2016

Safety of Office-Based Iliac Vein Stenting in Octogenarians and Nonagenarians with Chronic Venous Stasis. E-poster presentation SCVS. March 12-16, 2016 Las Vegas, Nevada

Management and Outcome of Thrombosed Iliac Vein Stents in Patients with Severe Venous Stasis. E-poster presentation SCVS. March 12-16, 2016 Las Vegas, Nevada

Clinical Outcomes for the Novel Oral Anticoagulants after Lower Extremity Arterial Procedures. E-poster presentation SCVS. March 12-16, 2016 Las Vegas, Nevada

The effect of balloon angioplasty without stenting for iliac vein stenosis. E-poster presentation SCVS. March 12-16, 2016 Las Vegas, Nevada

Ulcers of the Foot and their Response to Venous Treatment. E-poster presentation SCVS. March 12-16, 2016 Las Vegas, Nevada

Clinical Outcomes for the Novel Oral Anticoagulants after Lower Extremity Arterial Procedures. E-poster presentation SCVS. March 12-16, 2016 Las Vegas, Nevada

Management and Outcome of Partial Subclavian Artery Coverage in Patients undergoing Thoracic Endovascular Aortic Repair. E-poster presentation SCVS. March 12-16, 2016 Las Vegas, Nevada

Fast Track Thrombolysis and Endovascular Repair For Acute Arterial and Venous Occlusions: A Novel Approach to Minimize Complications Of Standard Thrombolytic Therapy. E-poster presentation SCVS. March 12-16, 2016 Las Vegas, Nevada

The Implication of Full Metal Jacket for Iliac Vein Stenting. E-poster presentation SCVS. March 12-16, 2016 Las Vegas, Nevada

Factors Associated with Failure of Combined Endovenous Therapy For Leg Swelling. E-poster presentation SCVS. March 12-16, 2016 Las Vegas, Nevada

Venous Stenting versus Venous Ablation. E-poster presentation SCVS. March 12-16, 2016 Las Vegas, Nevada

Stent Patency in Patients with Advanced Chronic Venous Disease and Nonthrombotic Iliac Vein Lesions. American Venous Forum, February 24-26, 2016, Orlando, Florida. Sigvaris Award finalist.

"Some Like It Hot!" Poster Display. American Venous Forum. February 24-26, 2016, Orlando, Florida.

Fellows Perception of Their Training. E-poster presentation SCVS. March 12-16, 2016 Las Vegas, Nevada

Stent Patency in Patients with Advanced Chronic Venous Disease and Nonthrombotic Iliac Vein Lesion. American Venous Forum. February 24-26, 2016, Orlando, Florida.

Fellows' Assessment of the Future of Vascular Surgery. PVSS. Park City, Utah. February 4, 2016

The Clinical Correlation of Race with Iliac Vein Stenting. American College of Surgeons' Surgical Forum. October, 2015, Chicago, IL.

Effect of Iliac Vein Stenting of NIVLs on Venous Reflux Times. Eastern Vascular Society. September 24-26, 2015. Baltimore, MD.

Office- Based IVC Filter Placement: The Next Frontier. Eastern Vascular Society. September 25, 2015. Baltimore, MD.

Clinical Correlation Of Success And Complications Of Lower Extremity Thermal Ablation. Eastern Vascular Society. September 24-26, 2015. Baltimore, MD.

Long-Term Follow-Up of Autologous Bone Marrow Cell Therapy, a Randomized Controlled Double-Blind Study for No-Option CLI. Society of Vascular Surgery June 18, 2015. Chicago, IL.

Clinical Correlation Of Success And Complications Of Lower Extremity Thermal Ablation. Brooklyn-Long Island chapter of the American College of Surgeon. Queens, NY. May 14, 2015.

Office- Based IVC Filter Placement: The Next Frontier. Poster Society of Vascular Surgery June 18, 2015. Chicago, IL.

The Clinical Correlation of Race with Iliac Vein Stenting Poster Society of Vascular Surgery June 18, 2015. Chicago, IL.

Safety of Office-Based Iliac Vein Stenting in Octogenarians and Nonagenarians with Chronic Venous Stasis. Poster. Society of Vascular Surgery June 18, 2015. Chicago, IL.

The effect of balloon angioplasty without stenting for iliac vein stenosis. Poster Society of Vascular Surgery June 18, 2015. Chicago, IL.

Management and outcome of thrombosed iliac veins stents in patients with severe venous stasis. Fellow competition May 7th, 2015. 31st Vascular Fellow Abstract Presentation.

Clinical Correlation With Results Of Endovenous Therapy For Leg Swelling. American Venous Forum poster, February 25-27, 2015 at Westin Mission Hills in Palm Springs, CA.

Safety and Efficacy of Iliac Vein Lesions: Assessment and Treatment in Octogenarians vs. Non-Octogenarians. Introduction to Academic Surgery, VEITH. November 21, 2014

US Vascular Fellows' Assessment of their Training. VEITH. NYC, NY. November 21, 2014 .

Balloon angioplasty for NIVL. American College of Surgeons. October 2014. San Francisco, CA.

Clinical Correlation of Anatomical Location of Non-Thrombotic Iliac Vein Lesion. Eastern Vascular Society, Boston Mass. Sept 11-14, 2014.

Vein ablation vs stenting. American College of Osteopathic Surgeons. Boston Mass. Sept 18-21, 2014.

U.S. vascular fellows' assessment of their training. Society for Vascular Surgery. June 6, 2014. Boston, MA. Poster.

Venous Ablation vs. Venous Stenting. Lutheran Medical Center. Research Fair. May 15th 2014.

Clinical Correlation Of Anatomical Location Of Nonthrombotic Iliac Vein Lesion. American Venous Forum. Feb 19, 2014. New Orleans, La.

Some Like It Hot. American Venous Forum. Feb 19, 2014. New Orleans, La. poster

Venous Stenting Versus Venous Ablation. American Venous Forum. Feb 19, 2014. New Orleans, La. Poster

IVC Filter Placement In Office Based Setting . American Venous Forum. Feb 19, 2014. New Orleans, La. Poster

“Non-Venous” Ulcers And Their Response To Venous Treatment. American Venous Forum. Feb 19, 2014. New Orleans, La. Poster

The Role of Ultrasound to Identify Non-Thrombotic Lower Extremity Pathology. International Society of Vascular Surgery. Miami, Florida. February 14-16, 2013.

Iliac Vein Stenting for CEAP 6 Patients poster EVS, Pittsburgh, Pa, Sept. 2012.

Utilization of stent grafts for the management of complicated arterio-venous pseudoaneurysms. 28th Northeast Vascular fellows' competition. NYC, NY. 2012

In-patient Adult and Pediatric Vascular Ultrasound: Distribution and Rate of Positive Findings. E-poster. Society of Clinical Vascular Surgery, poster, Las Vegas, March 2012

Upper Extremity Thrombo-Embolectomy Using Preoperative Ultrasound Duplex as the Sole Diagnostic Imaging Method. Society of Clinical Vascular Surgery, e- poster, Las Vegas, March 2012

MRV vs. IVUS for the Detection of Iliac Vein Stenosis. e- poster, Society of Clinical Vascular Surgery, poster, Las Vegas, March 2012

To bam or not to bam? Society of Clinical Vascular Surgery, poster, Las Vegas, March 2012

Changes In Venous Reflux After Iliac Vein Stenting. Poster. American Venous Forum. February 8, 2012, Orlando, Florida.

Prescribing Patterns of Antithrombotics Are Highly Variable After Lower Extremity Endovascular Procedures. January 28,2011, Peripheral Vascular Society, Vail, CO.

To bam or not to bam? : a closer look at balloon assisted maturation. January 28,2011, Peripheral Vascular Society, Vail, CO

Bilateral Internal Iliac Artery Aneurysm Infected with Campylobacter fetus. July Case of the month, ISVS.com

PE Without DVT. Society for Vascular Surgery. Poster. Chicago, Il June 14-18, 2011.

PE Without DVT. Conjoint Meeting with the Philadelphia Academy and the New York Surgical Society, on April 6th 2011, New York Hospital

Upper Extremity Thromboembolectomy Using Preoperative Ultrasound Findings as the Sole Diagnostic Imaging Modality. E-poster. SCVS. March 16-19, 2011. Orlando, Fla.

Routine Diabetic Eye Care and Cancer Counseling in the Vascular Office. E-poster. SCVS. March 16-19, 2011. Orlando, Fla.

Recent Trends in the Publications of the U.S. Vascular Surgery Program Directors. E-poster. SCVS. March 16-19, 2011. Orlando, Fla.

Placement Issues For Hemodialysis Catheters With Pre-existing Central Lines And Catheters Eastern Vascular Society's 24th Annual Meeting September 30 – October 2, 2010, New York, New York.

Role of IVUS versus Venograms in Assessment of Iliac-femoral Vein Stenosis. Eastern Vascular Society's 24th Annual Meeting September 30 – October 2, 2010, New York, New York.

Comparison Of Ultrasound Accelerated Thrombolysis Versus Simple Infusion Catheter Directed Thrombolysis For Acute Arterial Thrombosis. Eastern Vascular Society's 24th Annual Meeting September 30 – October 2, 2010, New York, New York.

Bone Marrow Aspirate Concentrate in Critical Limb Ischemia: Results of a Multicenter Randomized Double-Blind Trial. Mark D. Iafrafi, Dennis Bandyk, Eric Benoit, George Geils, John (Jeb) Hallett, Anil Hingorani, Alan Lumsden, Gregory Pearl, Eric Peden, Sean Roddy. New England Vascular society. Rockport ME. Sept. 2010

Duplex-guided Balloon-assisted Maturation (BAM) of Arterio-venous Fistulas (AVF) in the Office. Society for Vascular Surgery. Boston, MA, June 13, 2010.

Value And Limitations Of Repeat VNUS Closure Of The GSV. Poster. Eastern Vascular Society's 24th Annual Meeting September 30 – October 2, 2010, New York, New York.

The role of ultrasound to identify non-thrombotic lower extremity pathology. Poster. Society for Vascular Surgery. Boston, MA, June 13, 2010.

Value and Limitations of Repeat VNUS closure of the GSV. Poster. Society for Vascular Surgery. Boston, MA, June 13, 2010.

Effects of anesthesia versus regional nerve block on major leg amputation mortality rates. Poster. Society for Vascular Surgery. Boston, MA, June 13, 2010.

Clinical Outcome Analyses Of Radio-Frequency Ablation (RFA) In The Treatment Of Incompetent Greater Saphenous Vein (GSV): Differences Between ClosurePlus and ClosureFast Catheters. Poster. Society for Vascular Surgery. Boston, MA, June 13, 2010.

Recent Trends in the Publications of the U.S. Vascular Surgery Program Directors. Poster. Society for Vascular Surgery. Boston, MA, June 13, 2010.

Screening for carotid & renal stenosis in patients undergoing Tesio catheter placement . Poster. Society for Vascular Surgery. Boston, MA, June 13, 2010.

Role of Intravenous Ultrasound in Assessment of Iliac-femoral Vein Stenosis. Poster. Society for Vascular Surgery. Boston, MA, June 13, 2010.

Prospective Randomized Study Comparing the Clinical Outcomes Between IVC Greenfield Filter and TrapEase Filter . Maimonides Medical Center Day. June 2, 2010.

Screening for Carotid Stenosis in Patients Undergoing Tesio Catheter Placement. Maimonides Medical Center Day. June 2, 2010.

Nitric Oxide Synthases and Caspase 3 Modulate Signaling Cascades in the Pathogenesis of Peripheral Artery Aneurysms. Maimonides Medical Center Day. June 2, 2010.

Prospective Randomized Study Comparing the Clinical Outcomes Between IVC Greenfield Filter and TrapEase Filter. Northeastern Vascular Fellows' Competition, April 2010. NYC NY.

Value and Limitations of Repeat VNUS closure of the GSV. Society for Clinical Vascular Surgery. Poster. April 7-10, 2010, Scottsdale, Arizona.

Full Metal Jacket of the Superficial Femoral Artery: A retrospective review. Society for Clinical Vascular Surgery April 7-10, 2010, Scottsdale, Arizona.

Spontaneous Recanalization of An Occluded Internal Carotid Artery. Poster. 23rd Annual Meeting September 24-26, 2009. Philadelphia, PA. Eastern Vascular Society.

Venous Stenting For Lower Extremity Stasis Symptoms. Poster. Annual Meeting September 24-26, 2009. Philadelphia, PA. Eastern Vascular Society.

Does The Addition Of Routine IVC/iliac Vein And Infrapopliteal Duplex Scan Confer Any Benefit? 23rd Annual Meeting to be held September 24-26, 2009. Philadelphia, PA. Eastern Vascular Society.

Endovascular Repair of Popliteal Artery Aneurysms Under Duplex Guidance?, ACS 2009 Clinical Congress in Chicago, IL. Vascular Surgery Video Session. October 14

Endovascular Repair of Popliteal Artery Aneurysms Under Duplex Guidance. European Society for Vascular Surgery. Oslo, Norway, Sept 2009.

Venous Stenting For Lower Extremity Stasis Symptoms . New England Society for Vascular Surgery October 2-4, 2009. Boston, Massachusetts.

Best Basic Research paper. A nanotechnology-based delivery system: nanobot-novel vehicles for molecular medicine. June 3, 2009. Maimonides Day.

Role of Location of Infra-Popliteal DVT'S. Maimonides Medical Center Day. June 3, 2009.

Role of Location of Infra-popliteal DVTs. Peripheral Vascular Surgical Society. June 2009. Denver, CO. highest ranked resident submission.

Iliac Venous Stenting For Lower Extremity Venous Stasis Disease. Poster Presentation Session on Friday, June 12, 2009 SVS Vascular Annual Meeting, Denver, CO.

Lower Extremity Occlusive vs Non-occlusive DVT and the risk of Pulmonary Embolism. Poster Presentation Session on Friday, June 12, 2009 SVS Vascular Annual Meeting, Denver, CO.

Lower Extremity Occlusive vs. Non-occlusive DVT and the Risk of Pulmonary Embolism. 3rd place clinical paper. Murray Friedman Award. Brooklyn Surgical Society- Brooklyn/Long Island chapter of the American College of Surgeons. May 7, 2009.

Endovascular Repair of Popliteal Artery Aneurysms Under Duplex Guidance. Northeastern Vascular Fellows' Competition, April 2009. NYC NY.

Lower extremity occlusive vs. the non occlusive DVT and risk of PE. Murray Friedman Resident Award Dinner. May 7, 2009 at the La Guardia Marriott. Brooklyn-Long Island chapter of the American College of Surgeons.

Balloon Angioplasty of venous lesions to facilitate placement of Tunneled Cuffed Catheters for hemodialysis. Poster Presentation at the 37th Annual Symposium of the Society for Clinical Vascular Surgery. Ft. Lauderdale, Florida. March 18-21, 2009. poster finalist- Karmody competition

The role of routine IVC/Iliac vein and Infra-popletial venous duplex scans. Poster Presentation at the 37th Annual Symposium of the Society for Clinical Vascular Surgery. Ft. Lauderdale, Florida. March 18-21, 2009

Iatrogenic Injuries of the Common Femoral Artery (CFA) and External Iliac Artery (EIA) During Endograft Placement: An Underdiagnosed Entity. 4th Annual Academic Surgical Congress. February 3-6, 2009 in Fort Myers, FL.

Microdissection and Re-entry devices: Limitations, Application & Utility. 4th Annual Academic Surgical Congress. February 3-6, 2009 in Fort Myers, FL.

Balloon Angioplasty of venous lesions to facilitate placement of Tunneled Cuffed Catheters for hemodialysis. 4th Annual Academic Surgical Congress. February 3-6, 2009 in Fort Myers, FL.

A nonotechnology-based delivery system: Nanobots-novel vehicles for molecular medicine. New England Vascular Society. Newport, RI. September 2008.

A nonotechnology-based delivery system: Nanobots-novel vehicles for molecular medicine. Maimonides Medical Center Day April 30, 2008. Brooklyn, NY.

Predictive Factors of Patency Following Femoral-Popliteal Arterial Balloon Angioplasty (FPBA) and Stenting: Is Recoil a Bad Sign?, Brooklyn Long Island Chapter of the American College of Surgeons. 2008 Murry Friedman Resident Competition 3rd place winner.

Duplex-guided balloon angioplasty of failing or non-maturing arterio-venous access: a new office based procedure. Maimonides Medical Center Day April 30, 2008. Brooklyn, NY.

Predictive Factors of Patency Following Femoral-Popliteal Arterial Balloon Angioplasty (FPBA) and Stenting: Is Recoil a Bad Sign? May 1, 2008. Brooklyn Surgical Society/Brooklyn-Long Island Chapter of the American College of Surgeons.

Redo Femoral-Popliteal (FP) Balloon Angioplasty Under Duplex Guidance (DG) Alone: Is It Safe? Poster presentation. Society for Clinical Vascular Surgery. Las Vegas, Nevada, March 2008.

Radiofrequency Ablation of the Great Saphenous Vein in Patients with Previous Venous Thrombosis: Is it Safe? Northeastern Vascular Fellows' Competition, April 2008. NYC NY.

Factors Influencing Early Recanalization (ER) of the Great Saphenous Vein (GSV) After Radiofrequency Ablation. Society for Vascular Surgery. Las Vegas, Nevada, March 2008.

Multimodal Endovascular - Open Surgical Approach To Phlegmasia Cerulea Dolens of the Upper Extremity: A Case Report. Poster presentation. American Venous Forum. 2008. Charleston, SC

Radiofrequency Ablation of the Great Saphenous Vein In Patients With Previous Venous Thrombosis: Is It Safe? American Venous Forum. 2008. Charleston, SC

Case Report: Recurrent Intra-operative thrombosis in a patient undergoing carotid endarterectomy: possible sticky platelet syndrome?" Southern Association for Vascular Surgery. January 2008, Naples, Fla.

Duplex Derived Grey-Scale Median (GSM) of Femoral/Popliteal Arterial Segments: A Novel Predictor of Success or Failure for Subintimal Dissections. Annual Clinical Assembly of Osteopathic Specialists. San Francisco, California. Oct. 18-21, 2007

Duplex Derived Grey-Scale Median (GSM) of Femoral/Popliteal Arterial Segments: A Novel Predictor of Success or Failure for Subintimal Dissections. Society for Vascular Surgery, rapid paced session. June 7-10 2007. Baltimore, MD.

Aspirin Downregulates High Glucose-Induced Matrix Metalloproteinase-2 Expression in Human Aortic Endothelial Cells. Greater Maimonides Day. May 9, 2007. Brooklyn, NY

Pulmonary Hypertension in Patients with Iatrogenic Arteriovenous Access. Poster presentation. American College of Cardiology 2007. New Orleans, La. March 24-27, 2007.

Community Vascular Surgeons: Challenging Cases. Community Vascular Surgeons: Challenging Cases. Intraoperative Duplex Guided Coiling of Splenomesenteric Aneurysm. Society for Clinical Vascular Surgery. March 21- 24, 2007. Orlando, Fla.

Gray-Scale Median of the Atherosclerotic Plaque can predict success of lumen reentry during subintimal femoral-popliteal angioplasty. 23rd Annual Vascular Fellows Abstract Presentation. April 26, 2007. University Club. NYC, NY.

Aspirin Downregulates High Glucose-Induced Matrix Metalloproteinase-2 Expression in Human Aortic Endothelial Cells. Eastern Vascular Society, Washington DC. Sept 30, 2006.

Long Term Follow-up for SVC Filter Placement. Eastern Vascular Society, Washington DC. Sept 30, 2006.

Predictive Factors Of Patency Following Femoral-Popliteal Arterial Balloon Angioplasty (FPBA) And Stenting: Is Recoil A Bad Sign? Society for Vascular Surgery, June 3, 2006. rapid-fire session.

Infrainguinal Balloon Angioplasty For Arterial Occlusive Disease: A Comparison of Duplex-Guided (DG) With Dye-Based Fluoroscopy (DBF) in a Recent Series. Society for Vascular Medicine and Biology. Philadelphia, PA, June 2006. oral and poster sessions.

Carotid Artery Stump Pressure (CASP) in 975 Consecutive Endarterectomies Under General Anesthesia: An Old Method That Survived the Test of Times. Society for Vascular Medicine and Biology. Philadelphia, PA, June 2006. poster sessions.

Construction and Cloning of a Novel Genetic Sequence for Targeted Gene-Transfer Into Vascular Cells. Peripheral Vascular Society, Philadelphia, PA, June 2006.

Blood Flow-Induced Dysregulation of Molecular Factors in Human Carotid Atherosclerotic Plaques: A Matter of Location? Lifeline session. Society for Vascular Surgery Philadelphia, PA, June 2006.

Infrainguinal balloon angioplasty for arterial occlusive disease: a comparison of duplex-guided and dye-based fluoroscopy in a recent series. 22nd annual vascular fellows abstract presentation. NYC, NY. April 6th 2006.

Limitations and Lessons Learned from a Clinical Experience of 1020 Duplex Arteriograms (DA). Society for Clinical Vascular Surgery, March 3, 2006, Las Vegas.

Arterial Duplex Guided Balloon Angioplasty (DGBA) and Stent placement for occlusive disease of the superficial femoral/popliteal segment: An Alternative Approach to avert radiation exposure and contrast material. Society for Vascular Surgery. Chicago, IL. June 16-19 2005.

Infrainguinal Arterial Duplex Guided Balloon Angioplasty (DGBA): An Alternative Approach For Patients With Renal Insufficiency. Society for Clinical Vascular Surgery. Coral Gables, Fla. May 9-12, 2005. oral presentation

Duplex guided suction thrombectomy of acutely occluded infrainguinal arteries and bypasses: a new technique to avert contrast material and radiation exposure. 21st annual vascular fellows abstract presentation. April 21st 2005, NYC, NY

Decrease production of nitric oxide by peripheral blood mononuclear cells of patients with peripheral vascular disease. April 13, 2005, Greater Maimonides Day, Brooklyn, NY.

Should ilio-caval duplex scan be performed in patients with lower extremity edema and negative infrainguinal venous duplex scan. April 13, 2005, Greater Maimonides Day, Brooklyn, NY.

Carotid balloon angioplasty and stenting: New developments and the Maimonides experience. Recent Advances in the treatment of vascular Disease. March 24, 2005. Brooklyn, NY.

Renal artery balloon angioplasty and stenting: current indications and techniques. Recent Advances in the treatment of vascular Disease. March 24, 2005. Brooklyn, NY.

Lower extremity balloon angioplasty without contrast material or radiation exposure: a novel approach in 250 cases. Recent Advances in the treatment of vascular Disease. March 24, 2005. Brooklyn, NY.

Negative Lower extremity duplex ultrasound for femoropopliteal deep venous thrombosis: should a search for other abnormalities be routinely performed? Feb 19-23, 2005. San Diego, CA. oral presentation.

Does Radiofrequency Ablation Of the Great Saphenous Vein Abolish Popliteal Vein Reflux? American Venous Forum. Feb 19-23, 2005. San Diego, CA. poster presentation.

Iatrogenic Injuries of the Common Femoral Artery (CFA) and External Iliac Artery (EIA) During Endograft Placement: An Often Underdiagnosed Entity. Asian Vascular Society- Vascular Society of India. Bangalore, Indian November 4-7, 2004. Poster presentation.

Internal Carotid Artery (ICA) Thrombosis Following Endarterectomy: Incidence and Etiologic Factors in a Modern Series. Asian Vascular Society- Vascular Society of India Bangalore, Indian November 4-7, 2004. Oral presentation.

Duplex Guided Balloon Angioplasty and Stenting for Occlusive Disease of the Superficial Femoral and Popliteal Arteries: A Safe and Effective Alternative to Fluoroscopy and Contrast Material. Asian Vascular Society- Vascular Society of India Bangalore, Indian November 4-7, 2004. Oral presentation.

Ultrasound Guided Internal Carotid Artery Balloon Angioplasty and Stent Placement: A Report of Three Clinical Cases. Asian Vascular Society- Vascular Society of India Bangalore, Indian November 4-7, 2004. Poster presentation.

Deep venous thrombosis following radiofrequency ablation of the greater saphenous vein: a word of caution. 20th annual vascular fellows abstract presentation. April 22nd, 2004, NYC, NY.

Characterization of a New Clinical Entity: The Distal Superficial Femoral Artery (SFA) Syndrome. International Society for Cardiovascular Surgery. Oral presentation. Maui, Hawaii, March 21-25, 2004.

The Role of the Endovascular Surgeon for Lower Extremity Ischemia. International Society for Cardiovascular Surgery. Oral presentation. Maui, Hawaii, March 21-25, 2004.

Impact of Duplex Ultrasonography in the Management of Acute Limb Threatening Ischemia From Thrombosed Popliteal Aneurysms. International Society for Cardiovascular Surgery. Oral presentation. Maui, Hawaii, March 21-25, 2004.

Modern Vascular Laboratory Findings in Patients Evaluated for Lower Extremity DVT. International Society for Cardiovascular Surgery. Oral presentation. Maui, Hawaii, March 21-25, 2004.

Correlation of Intraoperative Internal Carotid Artery (ICA) Peak Systolic Velocities (PSV) With Early Restenosis Following Carotid Endarterectomy. International Society for Cardiovascular Surgery. Oral presentation. Maui, Hawaii, March 21-25, 2004.

Evidence of Telomerase Reactivation in VSMCs exposed to hyperglycemic and hyperhomocysteinemic conditions. May 4, 2003. NYC, New York. Eastern Vascular Society.

Mra vs duplex arteriography for patients undergoing lower extremity revascularization: which is the best replacement for contrast arteriography? 19th annual vascular fellows abstract presentation. March 27th, 2003. NYC, NY.

Lipid Metabolism and therapy for noncardiac arterial disease. 4th Annual Vascular Symposium. Brooklyn NY March 20,2003.

How to Achieve optimal results with carotid endarterectomy: An experience with 650 recent consecutive cases. 4th Annual Vascular Symposium. Brooklyn NY March 20,2003.

3-D and contrast vascular ultrasonography. 4th Annual Vascular Symposium. Brooklyn NY March 20,2003.

Combined axillary and interscalene block – a preferred technique for creation of upper extremity arteriovenous fistulae. Society for Clinical Vascular Surgery Miami Fla. March 7 2003. Poster presentation.

Prospective evaluation of combined upper and lower extremity DVT. Society for Clinical Vascular Surgery Miami Fla. March 7 2003. Poster presentation.

MRA vs Duplex Arteriography for patients undergoing lower extremity revascularization: Which is the best replacement for contrast arteriography. Society for Clinical Vascular Surgery Miami Fla. March 7 2003.

An All Autogenous policy for A-V Access: Is it Worth the Effort? Nov 9th 2002 Rio de Janiero, Pan American Congress on Vascular and Endovascular Surgery.

What the vascular surgeon should know know about lipid metabolism and lipid therapy. Nov 8th 2002 Rio de Janiero, Pan American Congress on Vascular and Endovascular Surgery.

Duplex arteriography as a sole preoperative imaging modality for infrainguinal bypass operations. August 2, 2002. New Orleans, LA. Society of Vascular Technology.

End Diastolic Velocities of the recipient infrapopliteal arteries prior to limb salvage surgery do not predict vein bypass patency. August 2, 2002. New Orleans, LA. Society of Vascular Technology.

Duplex Diagnosis of pseudooccluded internal carotid artery. August 1, 2002. New Orleans, LA. Society of Vascular Technology.

Intraoperative Carotid duplex Scan: Lessons learned from 350 consecutive Endarterectomies in symptomatic and asymptomatic patients. 18th Annual Vascular Fellow Abstract Presentation. NYC NY April 25th 2002.

An all autogenous policy for vascular access. April 9, 2002, 20th world congress of the international union of angiology. NYC NY.

Pseudocclusions of the internal carotid artery: a rationale for treatment based on a modified carotid duplex scan protocol. Greater Maimonides Day, Maimonides Medical Center, Brooklyn.

Increasing importance of B-mode imaging in the assessment of significant carotid stenosis. . Oral presentation. Society for Clinical Vascular Surgery. Las Vegas Nevada. March 17, 2002.

Carotid hyperperfusion syndrome following carotid endarterectomy: change of internal carotid artery flows and other hemodynamic parameters. Oral presentation. Society for Clinical Vascular Surgery. Las Vegas Nevada. March 17, 2002.

Posterior transverse plication of the redundant carotid artery: a safe and hemodynamically effective adjunctive technique during carotid endarterectomy. Poster presentation. Society for Clinical Vascular Surgery. Las Vegas Nevada. March 17, 2002.

Pseudo-occlusions of the internal carotid artery: selection of surgical candidates based on a modified duplex protocol. Oral presentation. Society for Clinical Vascular Surgery. Las Vegas Nevada. March 17, 2002.

Intraoperative carotid duplex scan: the importance of hemodynamic parameters and B-mode imaging. Society for Clinical Vascular Surgery. Oral presentation Las Vegas Nevada. March 17, 2002.

Internal carotid artery flow volume measurement and other intraoperative duplex scanning parameters as predictors of stroke after carotid endarterectomy. Fellow's competition April 2002, NYC NY

Lessons Learned from postoperative anticoagulation. Oral presentation April 20, 2002, Society for Vascular Nurses. Orlando, Fla.

Preliminary Results of Placement of a New Nitinol Inferior Vena Cava Filter. Poster at the 35th Association for Academic Surgery. Milwaukee, Wisconsin. November 15-17, 2001.

Cotinine Induced Alterations in Programmed Cell Death and Migration of Vascular Smooth Muscle Cells (vsmcs). Poster at the 35th Association for Academic Surgery. Milwaukee, Wisconsin. November 15-17, 2001.

Differential Expression of Yama/Cpp-32 by T-Lymphocytes in Popliteal Artery Aneurysm. Oral presentation at the 35th Association for Academic Surgery. Milwaukee, Wisconsin. November 15-17, 2001.

Comparison of Magnetic Resonance Angiography (MRA) and Duplex Ultrasound Arterial Mapping (DUAM) Prior to Infrainguinal Arterial Reconstruction. Presented at the 15th Annual Meeting of the European Society for Vascular Surgery. Lucerne, Switzerland. September 28, 2001.

Pseudoocclusions of the Internal Carotid Artery: A Rationale for Treatment Based on a Modified Carotid Duplex Scan Protocol. Oral. Society for Vascular Surgery, Baltimore MD. June 11, 2001.

Acute Lower Limb Ischemia: The Value of Duplex Ultrasound Arterial Mapping as the Sole Preoperative Imaging Technique. Oral presentation. Eastern Vascular Society. Washington DC May 6, 2001.

Glycine Attenuates Mesenteric Ischemia/Reperfusion Injury in a Rat Model by Inhibition of the Apoptotic Cascade. Northeastern Vascular Fellow's Competition. NYC NY, May 2000.

Duplex Ultrasonography Replaces Preoperative Lower Extremity Contrast Arteriography in Diabetic and Renal Patients. Presented at the Southern Association for Vascular Surgery, Jan 26, 2001. Puerto Rico.

Internal Carotid Artery Flow Measurement and Other Intraoperative Duplex Scan Parameters as Predictors of Stroke Following Carotid Endarterectomy. Society for Clinical Vascular Surgery April 5, 2001. Boca Raton Fla. Oral

Dyeless Vascular Surgery. Society for Clinical Vascular Surgery April 5, 2001. Boca Raton Fla. Poster.

Changing Characteristics of Carotid Endarterectomy. Society for Clinical Vascular Surgery April 5, 2001. Boca Raton Fla. Poster.

Impact of Reintervention for Failing Upper Arm Extremity Arteriovenous Fistulae for Hemodialysis Access. Society for Clinical Vascular Surgery April 5, 2001. Boca Raton Fla. Poster.

Carotid Endarterectomy in Octogenarians: Is it Worth the Effort? Society for Clinical Vascular Surgery April 5, 2001. Boca Raton Fla. Poster.

Causes of Early Stroke after Carotid Endarterectomy in a Recent Series: The Increasing Importance of Hyperperfusion Syndrome. Society for Clinical Vascular Surgery April 5, 2001. Boca Raton Fla. Poster.

Carotid Surgery without External Carotid Endarterectomy for Symptomatic and Asymptomatic Patients: An Eight Year Experience. Society for Clinical Vascular Surgery April 5, 2001. Boca Raton Fla. Poster.

Early Transposition of the Sartorius Muscle for Exposed Patent Infrainguinal Grafts. Society for Clinical Vascular Surgery April 5, 2001. Boca Raton Fla. Poster.

Adenovirus-mediated transfer of von Hippel-Lindau Gene to the vascular Endothelium causes cell cycle arrest. Poster June 11-14, Toronto CA, joint meeting of International Society of Cardiovascular Surgery- NA chapter and the Society for Vascular Surgery.

The Cell Signaling Mechanisms of P53 in Inhibition of Neointimal Hyperplasia in the Rat Carotid Injury Model. Poster June 11-14, Toronto CA, joint meeting of International Society of Cardiovascular Surgery- NA chapter and the Society for Vascular Surgery.

Molecular Dissection of the Apoptotic Pathway In The Pathogenesis of Popliteal Artery Aneurysms Poster June 11-14, Toronto CA, joint meeting of International Society of Cardiovascular Surgery- NA chapter and the Society for Vascular Surgery.

The Effect Of Cotinine On Telomerase Activity In Human Vascular Smooth Muscle Cells. Poster June 11-14, Toronto CA, joint meeting of International Society of Cardiovascular Surgery- NA chapter and the Society for Vascular Surgery.

Signaling Mechanisms of p53 in inhibition of neointimal hyperplasia in the rat carotid injury model. Accepted as poster for American society of gene therapy. May 31 2000. Boulder CO.

Death of Vascular Smooth Muscle Cells and the Role of Apoptosis in Human Popliteal Arterial Aneurysms. Accepted for a poster presentation, FASEB, San Diego. April 15-18 2000.

The Effect of Cotinine on Telomerase Activity in Human Vascular Smooth Muscle Cells. Accepted for a poster presentation, FASEB, San Diego. April 15-18 2000.

Molecular Analysis of Factors Affecting Plaque Stability in Fibrous and Atheromatous Plaques in Carotid Atherosclerotic Disease. April 5, 2000. Maimonides Medical Center Day.

The value and limitations of the arm cephalic and basilic vein for arteriovenous access. Northeast Fellows competition NYC NY. April 13, 2000.

Death of Vascular Smooth Muscle Cells and the Role of Apoptosis in Human Popliteal Arterial Aneurysms. Cold Spring Harbor Laboratory meeting, "Programmed Cell Death" Cold Spring Harbor, New York, Sept. 29- Oct.3, 1999.

Maimonides Medical Center Day. June 9, 1999. The changes in the apoptotic cascade in varicose veins 1st place.

Maimonides Medical Center Day. June 9, 1999. The Changing Characteristics of Carotid Endarterectomy.

Hemodynamics of infrapopliteal bypasses with PTFE and Adjunctive Arteriovenous Fistula Society for Vascular surgery. Washington DC Jun 1999.

The role of Cyclin D1 and Bcl-2 in the Apoptotic Cascade in the Carotid Plaque. Society of Vascular Medicine and biology June 4, 1999 Washington DC.

Popliteal Artery Aneurysm Development: An analysis of Biochemical Alterations. Society of Vascular Medicine and biology. June 4, 1999 Washington DC.

Combined coronary artery bypass grafting and abdominal aortic aneurysm repair. Am J Surg, 1998 Aug, 176:2, 144-6.

Screening for Carotid Disease in CABG patient: Is it worthwhile? . Brooklyn Surgical Society. April 15, 1999. NYC NY

The changes in the apoptotic cascade in varicose veins. Brooklyn Surgical Society. April 15, 1999. NYC NY.

p53 gene transfer to the injured rat carotid artery, its role in reducing neointimal formation and apoptosis. FASEB Bethesda Wash DC. April 1999. FASEB vol13 A129

The changes in the apoptotic cascade in varicose veins. Northeast Fellow's Competition April 22, 1999. NYC NY

Venous Changes in Pregnancy. Eastern Vascular Society. April 1999

\$30,000 grant from Jobst Institute for the study of Venous Changes in Pregnancy

Protective effect of glycine in mesenteric ischemia and reperfusion injury in a rat model. 27th annual Society Of Clinical Vascular Surgery March 27, 1999. Orlando Fla.

Society for Clinical Vascular Surgery. The use of duplex ultrasound arterial mapping as an alternative to Conventional arteriography for primary and secondary infrapopliteal bypasses in patients with critical ischemia. Orlando Fla. March 27, 1999

Society for Clinical Vascular Surgery. The impact of Internal Carotid Artery Occlusion in Patients undergoing CABG. Orlando Fla. March 28, 1999.

Society for Clinical Vascular Surgery. CEA in Octogenarians: Analyses of Mortality, Morbidity Cost and Long Term Survival. Orlando Fla. March 1999

Changes in the lower extremity venous system with pregnancy. American Venous Forum Beiesdrof-Jobst finalist. Dana Point CA February 1999.

The Increasing Importance of Autogenous Reconstruction for AV access: The DOQI study and its impact on the Maimonides experience. 5th Pan American Congress of Vascular and Endovascular Surgery. Rio de Janeiro Brazil. November 1998.

Saphenous vein Thrombophlebitis: A deceptively benign disease. June 1998 Published in J Vasc Surg, 1998 Apr, 27:4, 677-80.

P53 gene transfer to the injured rat carotid artery promotes apoptosis. Joint meeting of the SVS and ISCVS, San Diego June 7-10, 1998.

Thiamine enhances endothelial cell migration and reverses the inhibitory effect of high glucose. Joint meeting of the SVS and ISCVS, San Diego CA June 7-10, 1998

Values and Limitations of Duplex Ultrasonography as the Sole Imaging Method of Preoperative Evaluation for Popliteal and Infrapopliteal Bypasses. Presented at the 23rd meeting of the Peripheral Vascular Society. June 6, 1998 Published Annals of Vascular Surg 1998;13:1-10.

Near total Replacement of Thrombosed A-V Grafts: a Durable and Simple technique. Second Northeastern Conference on Vascular Access for Hemodialysis. NYC NY. May 15 1998.

Thiamine enhances endothelial cell migration and reverses the inhibitory effect of high glucose. Eastern Vascular Society, Newport RI. May 1, 1998

P53 gene transfer to the injured rat carotid artery promotes apoptosis. Eastern Vascular Society, Newport RI. May 1, 1998

P53 gene transfer to the injured rat carotid artery promotes apoptosis. Brooklyn Surgical Society. April 30, 1998.

Thiamine enhances endothelial cell migration and reverses the inhibitory effect of high glucose. 14th Annual Vascular Fellows Abstract Presentation. NYC NY April 23, 1998

Carotid Endarterectomy in Octogenarians. Maimonides Research. April 22, 1998.

Combined coronary artery bypass grafting and abdominal aortic aneurysm repair. Society for Clinical Vascular Surgery. Coronado California. March 25-29 1998, Published in Am J Surg, 1998 Aug, 176:2, 144-6

Supra versus infrainguinal inflows for infra popliteal bypass with adjunctive arteriovenous fistula. Society for Clinical Vascular Surgery. Coronado California. March 25-29 1998

The effect of P53 on the Rat Carotid Injury Model. February 19-20, First prize Lifeline resident Research Award. Bethesda MD. 1998 Published JVS 29:2 Feb 1999.

Does the site of upper extremity deep venous thrombosis correlate with morbidity and mortality? American Venous Forum. Orlando Florida February 19-23, 1998

P53 Gene transfer to the injured rat carotid artery decreases intimal hyperplasia. New York Surgical Society. NYC NY. December 10, 1997

A modern series of ruptured infrarenal aortic aneurysms: improved survival at a price. Presented at the International Society for Cardiovascular Surgery, London England. September 22, 1997 Published Cardiovascular Surgery, Sept 1997.

Blood pressure instability following carotid endarterectomy is not a cause for delay discharge (24 hours). Presented at the International Society for Cardiovascular Surgery, London England. September 22, 1997 Published Cardiovascular Surgery, Sept 1997.

Lower Extremity Deep Vein Thrombosis: Vascular Laboratory Quality Assurance without correlation between ultrasound and venography. Presented at the International Society for Cardiovascular Surgery, London England. September 25, 1997 Published Cardiovascular Surgery, Sept 1997.

The Roles of Tumor Necrosis Factor Binding Protein (TNF-BP) and Interleukin-1 receptor antagonist (Il-1 ra) on the Development of Abdominal Aortic Aneurysms (AAAs) in a Rat Model. Presented at the American Society of Clinical Pathologists and the College of American

Pathologists in Philadelphia. September 20-26, 1997. Third place winner. Published in Journal of Vascular Surgery Sept 1998.

Superficial Thrombophlebitis (SVT): A Deceptively Benign Disease. Presented at the Panamerican Congress on Vascular Surgery. Rio De Janeiro Nov 8, 1996 published Journal of Vascular Surgery Apr 1998.

The Significance of Greater Saphenous Vein versus lesser saphenous vein thrombophlebitis in predicting hypercoagulability. The joint meeting of the Society of Vascular Surgery and the International Society for Cardiovascular Surgery, Boston Mass. June 1, 1997.

Screening for internal carotid artery in patients with severe coronary artery disease. The joint meeting of the Society of Vascular Surgery and the International Society for Cardiovascular Surgery, Boston Mass. June 1, 1997

Superficial Thrombophlebitis: A Deceptively Benign Disease. Presented at the Eastern Vascular Society meeting, Atlantic City. May 2, 1997

Glycine preserves function and decreases necrosis in skeletal muscle undergoing ischemia and reperfusion injury. Submitted Journal of Vascular Surgery

Age-Stratified Gender Difference in Ultrasound Testing for Venous Thrombosis. Poster at the American Venous Forum. San Antonio Texas. Feb 20-23, 1997.

Funded Projects.

- Co P-I Life study. Least Invasive Fast-Track EVAR. Using the TriVascular Ovation Prime® Abdominal Stent Graft System. This is a Registry to Demonstrate the Benefits of Using the Low-Profile TriVascular Ovation Prime Abdominal Stent Graft System via Percutaneous Access According to the Fast-Track Protocol

Completed Research Support

Maimonides Research and Development Foundation

49706 Jacob (PI)

1/01/01- 12/31/02

Signaling Cascades in the Pathogenesis of Varicose Veins

This investigation examines the molecular pathways in the pathogenesis of varicosities. Expression of eNOS and iNOS in a series of normal and varicose vein specimens is determined.

Role: Co-Investigator

49719 /49717 Ascher (PI)

1/01/01- 12/31/02

A Novel Strategy for Limiting Venous Anastomotic Neointimal Hyperplasia

This study evaluates a new approach to limit restenosis following anastomoses of arteriovenous grafts by the use of *in vivo* gene therapy strategy.

Role: Co-Investigator

Corgentech, Inc.

Ascher (Investigator)

01/01/02-

PREVENT III “A Phase III, Multi-center Randomized, Double-Blind, Placebo Controlled Trial of *Ex-vivo* Treatment with CGT003 of Peripheral Vein Grafts in Patients Undergoing Peripheral Arterial Bypass Graft Procedures”

This Phase III trial examines the efficacy of graft pretreatment by an *ex-vivo* gene therapy strategy using E2 decoy oligonucleotide, on patency of vein grafts in patients undergoing peripheral arterial bypass graft procedures.

Role: Sub-Investigator

Maimonides Research and Development Foundation

49706 Jacob (PI)

1/01/01- 12/31/02

Efficacy of Adenovirus-mediated GeneTransfer of Tumor Suppressor Genes into Human Arterial Tissue,

This study evaluates the feasibility and limitations of adenovirus-mediated gene transfer of tumor suppressor genes to human arterial wall tissue in an *ex vivo* model.

Role: Co-Investigator

49719 Ascher (PI)

1/01/02- 12/31/02

In Vivo Utilization of Drug/Gene-Eluting Stents for Attenuation of Neointimal Hyperplasia

In the current project determines the efficacy of a p53 -eluting stent in an *in vivo* model of restenosis.

Role: Co-Investigator

49706 Jacob (PI)

1/01/01- 12/31/02

Effect of Zinc on the Mitogen Activated Protein Kinase Cascades in Vascular Cells.

We investigate the role of zinc on the molecular pathways and MAPK signaling cascades in vascular cells in an *in vitro* wound model.

Role: Co-Investigator

49706 Jacob (PI)

1/01/02- 12/31/02

Molecular Analysis of Factors Affecting Plaque Stability in Carotid Atherosclerotic Disease.

This study investigates the factors involved in plaque stability in atheromatous and fibrous plaques.

Role: Co-Investigator

Maimonides Research and Development Foundation

49589 /49717 Hingorani (PI)

1/01/00- 12/31/01

The role of macrophages/ monocytes in generation and dissolution of venous thrombus

This study evaluated the role of the cellular component in venous thrombus and the presence of enzymes other than plasminogen in thrombolysis.

Role: PI

49589 Jacob (PI) 1/01/99-12/31/99
Programmed Cell Death: The Pathogenesis Of Lower Extremity Varicose Veins
This study was designed to investigate whether programmed cell death varies in varicosities as compared to normal veins.
Role: Co-Investigator

Jobst Foundation /AVF \$30,000

Fodera (PI) 1/01/00-1/01/01
Varicose Veins and Pregnancy: A Prospective Study
This was a clinical study designed to elicit novel data on anatomical and physiological changes taking place in the venous system during pregnancy. Color-flow duplex ultrasonography was one of the tools utilized for data acquisition.
Role: Co-Investigator

Maimonides Research and Development Foundation

49589/ 49706 Jacob (PI) 1/01/00- 12/31/01
Effect of cotinine on human vascular smooth muscle cells and endothelial cells
This investigation elucidated the effect of cotinine as an index of cigarette smoke, on cellular growth, proliferation and migration in vascular smooth muscle cells and endothelial cells.
Role: Co-Investigator

49589/ 49706 Jacob (PI) 1/01/00- 12/31/01
Molecular Analysis of Factors Affecting Plaque Stability in Carotid Atherosclerotic Disease
Our study was designed to compare the two types of plaques fibrous plaques and significantly unstable atheromatous plaques from patients undergoing carotid endarterectomy, in terms of apoptosis, apoptosis-inducing factors, namely Fas/CD95/APO-1 and CPP-32/YAMA/caspase-3 and proteolytic activity.
Role: Co-Investigator

49706 Jacob (PI) 1/01/01- 12/31/01
Initial steps in the unifying theory of pathogenesis of artery aneurysms
This study analyzed several arterial aneurysms from different parts of the human body and for the first time quantified degradation of the elastic lamellae, presence of inflammatory infiltrate and apoptosis.
Role: Co-Investigator

49589 Ascher (PI) 1/01/00- 12/31/00
Functional evaluation of the endothelium after arterial injury in a rat carotid balloon angioplasty injury model.
This investigation was designed to evaluate the functionality of the endothelial layer following arterial intervention, at various time-points.
Role: Co-Investigator

Hingorani (PI) 1/01/01-12/31/01
The role of macrophages-monocytes in generation and dissolution of thrombus: presence and activity of enzymes other than plasminogen in thrombolysis. The role of von Hippel-Lindau gene therapy in limiting neointimal hyperplasia in a rat carotid injury model. The role of von Hippel-Lindau gene therapy in limiting vascular cell proliferative activity. 58,000

Hingorani (PI) 1/01/00-12/31/00
The role of macrophages-monocytes in generation and dissolution of thrombus: presence and activity of enzymes other than plasminogen in thrombolysis. \$65,000

Hingorani (PI) 1/01/99-12/31/99
A study of basic pathogenesis of popliteal arterial aneurysms. \$50,000.

Hingorani (PI) 49589 1/01/98-12/31/98
Are TNF-binding protein and Il-1 receptor antagonist cytoprotective in skeletal muscle ischemia and reperfusion injury in a canine model. The effect of p53 gene transfer of venous anastomotic intimal hyperplasia. The effect of TNF-binding protein and Il-1 receptor antagonist on the development of abdominal aortic aneurysms in a rat model. \$10,000.

Hingorani (PI) 1/01/97-12/31/97
Are TNF binding protein and Il-1 receptor antagonist cytoprotective in skeletal muscle ischemia and reperfusion injury in a canine model. Preclinical trial of a new form of ePTFE. \$40,000

Baxter 8/2009-6-2010
Fibrin Sealant Vascular Surgery 03. \$4000

Therapeutic Modulation of Restenosis: P53 Gene Therapy using Nanotechnology in a Rat model.
MMC research foundation, \$25,000

Feasibility Study of the Safety and Activity of Autologous Bone
Marrow Aspirate Concentrate (BMAC) for the treatment of
Critical Limb Ischemia due to Peripheral Arterial Occlusive Disease Primary Investigator 2007-

NIKITA SINGH

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EDUCATION

Chicago Medical School at Rosalind Franklin University – North Chicago, IL

M.D. Candidate

Aug 2017 – Expected 2022

- Interim Research Year (2020 – 2021)

New York University College of Arts & Sciences – New York, NY

B.S. in Chemistry and Global Public Health

Aug 2012 – May 2016

- Study Abroad Program in Berlin, Germany (Summer 2014)

WORK & RESEARCH EXPERIENCE

New York University / Vascular Institute of New York – Brooklyn, NY

Clinical Research in Vascular Surgery under the guidance of Dr. Anil Hingorani

Apr 2020 – Present

Private Tutor – New York, NY

Primary and secondary education level

Sep 2015 – Jun 2017

- Included children with special health care needs

Mount Sinai Ichan School of Medicine, Department of Genetics & Genomic Sciences – New York, NY

Clinical Research Coordinator under the guidance of Dr. Manisha Balwani

Jan – June 2016

Spring Street Dermatology – New York, NY

Medical Assistant and Administrative Assistant

Oct – Jan 2016

New York University College of Arts and Sciences, Department of Chemistry – New York, NY

General Chemistry Teaching Assistant

Sep 2013 – May 2016

New York University, University Learning Center – New York, NY

Learning Assistant, Campus Peer Tutor

Sep 2013 – May 2016

New York University College of Dentistry, Department of Basic Sciences – New York, NY

Undergraduate Research Assistant under the guidance of Dr. Daniel Malamud

Jan 2013 – May 2015

PUBLICATIONS & PRESENTATIONS

Publications:

1. Sphygmomanometer-Induced Hemostasis Following Iatrogenic Guidewire Perforation During Lower Extremity Angioplasty
Chait J, Ostrozhynskyy Y, Marks N, **Singh N**, Hingorani A, Ascher E. Vascular. Accepted on 2021 April 19.
2. Seasonal Variation in Swelling of Lower Extremities in Patients with Chronic Venous Insufficiency. Abstract. Santa Cruz M, Hingorani A, Marks N, Ascher E, **Singh N**. J Vasc Surg Venous Lymphat Disord. 2021 Mar.
3. Partial subclavian artery coverage in TEVAR patients for acute type B aortic dissections: an alternative solution. Chait J, Hingorani AP, **Singh N**, Marks N, Ascher E. J Cardiovasc Surg 2021 Feb 26. DOI: 10.23736/S0021-9509.21.11677-5
4. Prinzmetal-like Acute Limb Ischemia. **Singh N**, Jaikaran O, Kibrik P, Hingorani A, Ascher E. Ann Vasc Surg. 2021 Feb 5.
5. Not a Happy Ending. **Singh N**, Hingorani, A. Vein Specialist Newsletter. 2020 Oct.
<https://www.veinforum.org/wp-content/uploads/2020/10/AVF-2020-October-NL_FINAL-10-20-2020.pdf>.
6. **Singh N**, Barber CA, Abrams WR, Malamud D, Fu. “Proinflammatory Biomarkers and Post-Breast Cancer Lymphedema.”
Inquiry: A Journal of Undergraduate Research. 2015 Aug.

Presentations:

1. NYU College of Arts and Science – Dean’s Undergraduate Research Conference
Singh N, Barber CA, Abrams WR, Malamud D, Fu. “Proinflammatory Biomarkers and Post-Breast Cancer Lymphedema.” April 2015. Poster Presentation.

OUTREACH & COMMUNITY INVOLVEMENT

New Life Volunteering Society Student-Run Free Health Clinic – Rogers Park, IL

Medical Student Volunteer

2017 – Present

- Chicago Medical School Chapter President (2016 – 2017)

Hope of Children and Women Victims of Violence – Ndejje, Uganda

Medical Student Volunteer, Chicago Medical School program affiliation

Jun – Aug 2018

Bellevue Hospital Center, Health Leads Program – New York, NY

Student Volunteer

Feb 2015 – May 2016

Bellevue Hospital Center, Reach Out and Read Program – New York, NY

Student Volunteer

Sep 2014 – Dec 2015

AWARDS

New York University President's Service Award (April 2015)

New York University Dean's Undergraduate Research Conference - Best Poster Presentation (April 2015)

New York University Dean's Undergraduate Research Fund Grant Recipient (April 2014)

PROFESSIONAL MEMBERSHIPS

South Asian American Vascular Surgery Society

Association of Women Surgeons

American Venous Forum

American College of Surgeons - General New York Chapter

American College of Surgeons

Midwestern Vascular Surgical Society

Society for Vascular Surgery

American Medical Association

Phi Delta Epsilon Medical Fraternity