

## Northern California Vascular **Study Group - NCVSG**

Saturday, May 6, 2023

9:00 AM - 12:00 PM Pacific Time

Remote













### Meeting Attendance Credit



#### Before we get started...

Please sign in using your <u>Full Name</u> (First and Last).

#### Remote Attendees – See below instructions (#1-#3)

- 1. Click "Participants" in the box at the top or bottom of your screen.
- 2. If your full name is not listed, hover next to your name and you'll see "rename".
- 3. Click and sign in.

Please note: If you can't sign in, please email Leka Johnson at <u>ljohnson@svspso.org</u> and let her know the identifier you were signed in under (ex –LM7832 or your phone number).

\*\*SPECIAL NOTE: ALL ATTENDEES must have an <u>ACTIVE</u> PATHWAYS user account to get attendance credit!!!













#### Agenda-NCVSG-May 6, 2023



Time	Topic	CE Credit
9:00 am	<ul> <li>Welcome</li> <li>Regional Data Review –Shipra Arya, MD, NCVSG Medical Director</li> <li>Learning Objectives:</li> <li>Use the VQI regional reports to establish quality improvement goals for the vascular patients (outcomes) and for their center (process).</li> <li>Interpret and compare each centers' VQI results to regional and national benchmarked data.</li> <li>Learn, through group discussion the VQI regional results to improve the quality of vascular health care by monitoring measurable performance indicators, SVS PSO evidence-based research, and outcomes.</li> <li>Identify high performing regional vascular centers to discuss variations in care and clinical practice patterns to improve outcomes and prompt quality improvement recommendations for vascular care patients. Sharing of best practices/pathways of care.</li> </ul>	Yes
10:00 am	Regional QI Proposal – Shipra Arya, MD, NCVSG Medical Director Learning Objectives:  Use the VQI regional reports to establish quality improvement goals for the vascular patients (outcomes) and for their center (process).  Interpret and compare each centers' VQI results to regional and national benchmarked data.  Learn, through group discussion the VQI regional results to improve the quality of vascular health care by monitoring measurable performance indicators, SVS PSO evidence-based research, and outcomes.  Identify high performing regional vascular centers to discuss variations in care and clinical practice patterns to improve outcomes and prompt quality improvement recommendations for vascular care patients. Sharing of best practices/pathways of care.	Yes
10:50 am	Break	No













## Agenda (con't)



Time	Topic	CE Credit
11:00 am	<ul> <li>National VQI Update –Melissa Latus, BSN, RN, PSO Clinical Project Manager         Learning Objectives:         <ul> <li>Use the VQI regional reports to establish quality improvement goals for the vascular patients (outcomes) and for their center (process).</li> <li>Identify high performing regional vascular centers to discuss variations in care and clinical practice patterns to improve outcomes and prompt quality improvement recommendations for vascular care patients. Sharing of best practices/pathways of care.</li> </ul> </li> </ul>	Yes
11:40 am	AQC Update – Misty Humphries, MD	No
11:45 am	VQC Update – Eri Fukaya, MD	No
11:50 am	RAC Update – James Iannuzzi, MD	No
11:55 am	Governing Council Update –Melissa Latus, MD	No
12:00 pm	Open Discussion/Next Meeting/Meeting Evaluation	No











#### Disclosure



No presenter has a conflict to report.













#### Welcome and Introductions



Adventist Health St. Helena

Alta Bates Summit Medical Center California Pacific Medical Center

Community Regional Medical Center

El Camino Health

Fresno Heart & Surgical Hospital

**Good Samaritan Hospital - San Jose** 

Marin General Hospital

**Memorial Medical Center - Modesto** 

NorthBay Medical Center

Palo Alto Medical Foundation

Redwood City - Sequoia Hospital

San Bernardino - St. Bernardine Medical Center

San Luis Obispo - French Hospital Medical Center

Santa Clara Valley Medical Center

Santa Cruz - Dominican Hospital

Santa Rosa Memorial

St. Joseph Hospital (Eureka)

Stanford Health Care

Stanford Health Care-ValleyCare

Stockton - St. Joseph's Medical Center

**Sutter Medical Center Sacramento** 

**Sutter Roseville Medical Center** 

UC Davis Health System

**UCSF Medical Center** 

Washington Hospital Health System

**Total Centers = 26** 













## **Region Volume Appendix**



Report	Included Cases	Centers with Included Cases	Centers with at least 10 Included Cases	Complete Cases	Centers with Complete Cases	Centers with at least 10 Complete Cases
Procedure Volume	1793	19	16			
Procedure Volume, All Years	14422	20	16			
Long-Term Follow-up	1295	12	8			
Discharge Medications	1599	19	16			
Preop Smoking	1257	19	12			
Smoking Cessation	173	8	6			
TFEM CAS ASYMP: Stroke/Death	59	10	2	57	10	2
TFEM CAS SYMP: Stroke/Death	32	9	1	27	9	0
TCAR ASYMP: Stroke/Death	73	11	3	66	10	3
TCAR SYMP: Stroke/Death	58	9	2	52	9	1
CEA ASYMP: Stroke/Death	156	14	9	134	13	7
CEA ASYMP: Postop LOS>1 Day	156	14	9	134	13	7
CEA SYMP: Stroke/Death	59	11	1	52	9	1
CEA SYMP: Postop LOS>1 Day	59	11	1	52	9	1
EVAR: Postop LOS>2 Days	99	7	5	85	7	5
EVAR: Sac Diameter Reporting	64	6	3			
EVAR: SVS AAA Diameter Guideline	93	7	5			
TEVAR: Sac Diameter Reporting	52	3	2			
OAAA: In-Hospital Mortality	85	5	2	81	5	2
OAAA: SVS Cell-Saver Guideline	87	5	3			
OAAA: SVS Iliac Inflow Guideline	100	5	4			
PVI CLAUD: ABI/Toe Pressure	270	8	6			
INFRA CLTI: Major Complications	96	6	4			
SUPRA CLTI: Major Complications	21	5	0			
LEAMP: Postop Complications	0	0	0			
HDA: Primary AVF vs. Graft	48	2	1			
HDA: Ultrasound Vein Mapping	65	2	1			
HDA: Postop Complications	65	2	1			
IVCF: Filter Retrieval Reporting	1	1	0			

#### **Spring 2023 SVS VQI Regional Report Slides**



The VQI Regional Quality Report is produced semiannually to provide centers and regions targeted, comparative results and benchmarks for a variety of procedures, process measures and postoperative outcomes.

The following updates have been implemented to enhance and improve the Spring 2023 VQI Regional Quality Report:

- **Preop Smoking Report Added** A preop smoking report is now provided. This report displays center-level, regional, and VQI overall rates of current smoking at time of procedure.
- **Smoking Cessation Report Added** A smoking cessation report is now provided. This report displays center-level, regional, and VQI overall rates of smoking cessation at follow up.

**NCVSG Spring 2023 Regional Report** 

## **RLDM Updates**



Carlos Moreno, Stanford Healthcare Regional Lead Data Manager

## **Regional Improvement Projects**



### **Current Quality Improvement Charters**

#### **QI Project**



• Discussion on possible QI projects



# National VQI Update

Melissa Latus, BSN, RN PSO Clinical Operations Project Manager







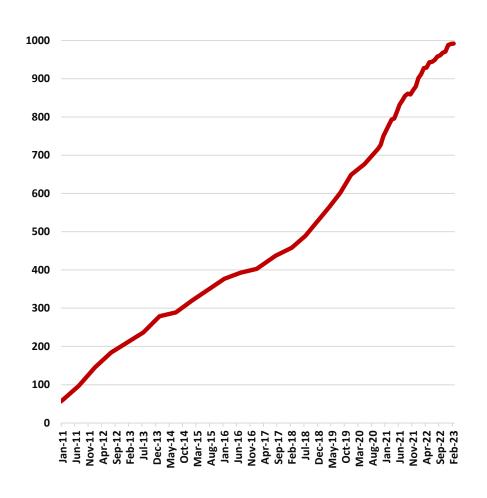








#### **Number of Participating Centers**



#### **Location of VQI Participating Centers**











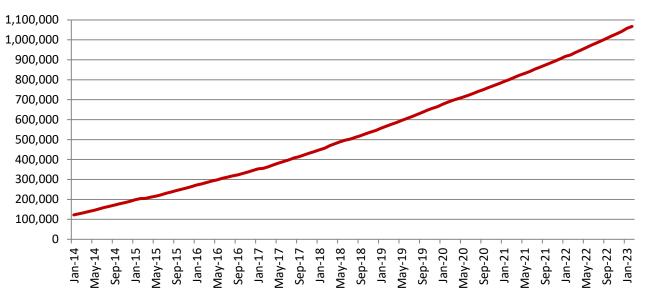






Total Procedures Captured (as of 3/1/2023)	1,066,834		
Peripheral Vascular Intervention	367,998		
Carotid Endarterectomy	190,201		
Infra-Inguinal Bypass	80,201		
Endovascular AAA Repair	79,316		
Hemodialysis Access	75,770		
Carotid Artery Stent	94,032		
Varicose Vein	60,449		
Supra-Inguinal Bypass	25,655		
Thoracic and Complex EVAR	28,286		
Lower Extremity Amputations	27,921		
IVC Filter	18,184		
Open AAA Repair	17,546		
Vascular Medicine Consult	1,119		
Venous Stent	156		

#### **VQI Total Procedure Volume**



Total Procedure Volume reflects net procedures added to the registry for the month























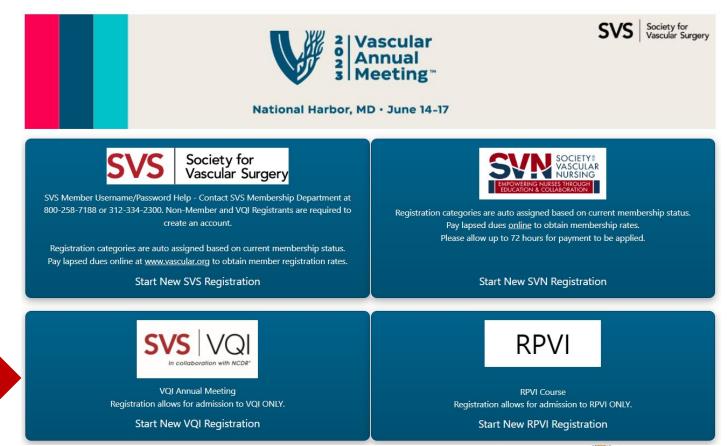




#### VQI@VAM Registration Link



### https://www.compusystems.com/servlet/ar?evt\_uid=805









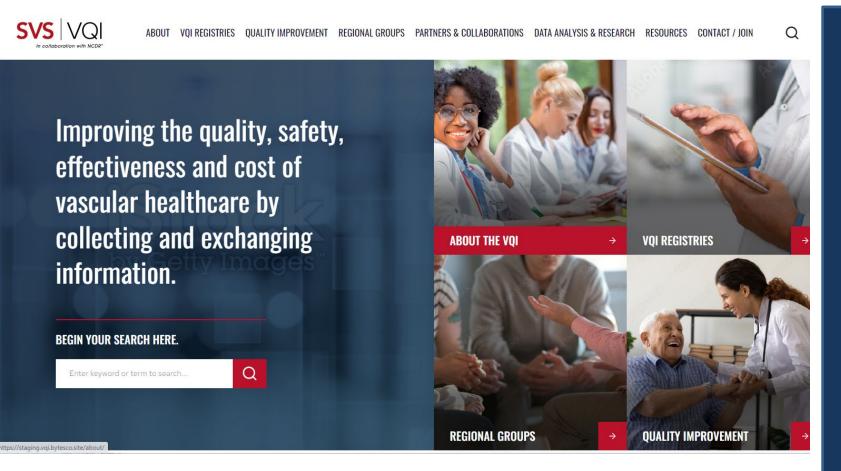






### A Brand New VQI.org!





- The addition of 14 registry specific pages
- More robust search capabilities, so customers can easily get the information they need
- Clean presentation of content
- Consistent menu options for each of the 18 Regional Group Pages.
- Streamlined Members Only area













#### Welcome



#### Jeff Yoder – Statistician

- Start Date December 2022
- M.S. degree in Statistical Science from Indiana University
- Teaching assistant at Indiana University.



Working with the PSO Analytics team on a variety of projects and initiatives.













### National Updates



Infra/Supra Inguinal Bypass Revisions Live late March 30, 2023

New National Quality Initiative Smoking Cessation to be announced at VQI@VAM

- Data Integrity Audit Program
- Risk Calculator
- Follow-up reports:
  - IVC Filter and Varicose Vein
- Coming soon:
  - Harmonization of CAD variables
  - Harmonization of Anticoagulation
  - Open AAA Registry Revision















#### **Registry Revisions**



- SVS PSO recognizes need to reduce number of registry variables while maintaining balance between QI & research/publishing
- Work underway to decrease data entry burden
- Registry committees have begun reviewing variables
  - Possible variable retirement
  - Marking variables as mandatory versus NOT mandatory for record completion
- Variables required for reporting measures, industry projects & guideline/AUC recommendations will be taken into consideration
- Progress being made with data integration between EMRs & VQI. Updates provided at the VQI Annual Meeting















#### **Data Integrity Audits**



- Data Integrity Audits have begun Spring 2023.
- The Carotid Artery Stent Registry first to go live.
- Additional registries will be added on a regular basis.
- Data results will not be punitive; will be utilized to update training and help texts.
- Audits are being performed by a third-party vendor Telligen.
- Audited records will be blindly abstracted by Telligen; then compared to the completed case in Pathways for matches.
- More information to come soon.
- All inquiries should be sent to Melissa Latus. mlatus@svspso.org













## **SVS Verification Program**



- In partnership with the American College of Surgeons
- Inpatient launch late March, Outpatient launch June
- Standards derived by SVS members; program is used to measure compliance w/standards
- Six National Quality Strategies to align organizational functions to drive improvement based on the aims & priorities of the Agency for Healthcare Research and Quality (AHRQ):
  - Measurement & feedback w/ required registry participation
  - Certification, accreditation, & regulation w/required facility regulation
  - Consumer incentives & benefit designs with thorough discussion of treatment options and consent
  - Health information technology, working with outside software for continuation of care
  - Innovation & diffusion with research
  - Work force development w/ the capability of resident training













#### Inpatient Vascular Verification Program



#### **Program Standards Manual for Inpatient Program**

- Institutional commitment
- Program scope and governance
- Resources for facilities, equipment, services, and personnel
- Clinical care
- Data abstraction and analysis
- Quality improvement
- Education and research
- https://www.facs.org/quality-programs/accreditation-andverification/vascular-verification/standards/

#### For more information contact:

vascular@facs.org















#### **New** Educational Videos



- TASC/GLASS
  - Dr. Elizabeth Genovese, M.D.
- Varicose Vein
  - Dr. Jennifer Ellis, M.D.

Visit VQI.org for a full listing of all **Educational video offerings** 

https://www.vqi.org/registryeducation-members-only/

#### REGISTRY EDUCATION WEBINARS

- VQI Educational Session Vascular Medicine Consult (VMC)
- VQI Educational Session Infra/Supra
- VQI Educational Session PVI
- VQI Educational Session EVAR
- VQI Educational Session TEVAR/COMPLEX EVAR
- VQI Educational Session CAS and CEA
- VQI Educational Session Open AAA
- SVS VQI Infra/Supra Registry Revisions Webinar
- SVS VQI Educational Webinar TASC/GLASS
- SVS VQI Education Webinar TASC/GLASS Slides

















### Venous Stent Registry and Vascular Medicine Consult Registry **Free Trial**

For a limited time, SVS VQI is offering a complimentary one-year trial subscription to the VSR and VMC for an easily accessible first-hand experience of its value and ROI.

https://mailchi.mp/5119b784e8d0/no-time-like-the-present

To learn more about the Venous Stent Registry offer click here: Venous Stent

To learn more about the Vascular Medicine Consult Registry offer click here: Vascular Medicine

Or email vqi@fivoshealth.com to contact an account executive.













### 2023 Top 10 VQI Publications



- A Vascular Quality Initiative frailty assessment predicts post discharge mortality in patients undergoing arterial reconstruction Kraiss LW, Al-Dulaimi R, Allen CM, Mell MW, Arya S, Presson AP, Brooke BS. https://pubmed.ncbi.nlm.nih.gov/35709866/
- **Ankle-brachial index use in peripheral vascular interventions for claudication** Hawkins KE, Valentine RJ, Duke JM, Wang Q, Reed AB. <a href="https://pubmed.ncbi.nlm.nih.gov/35276260/">https://pubmed.ncbi.nlm.nih.gov/35276260/</a>
- Assessing the quality of reporting of studies using Vascular Quality Initiative (VQI) data Mirzaie AA, Delgado AM, DuPuis DT, Olowofela B, Berceli SA, Scali ST, Huber TS, Upchurch GR Jr, Shah SK. https://pubmed.ncbi.nlm.nih.gov/35760240/
- Incidence of Procedure-Related Complications in Patients Treated With Atherectomy in the Femoropopliteal and **Tibial Vessels in the Vascular Quality Initiative** Sanon O, Carnevale M, Indes J, Gao Q, Lipsitz E, Koleilat I. https://pubmed.ncbi.nlm.nih.gov/35466788/
- Survival, reintervention and surveillance reports: long-term, center-level evaluation and feedback of vascular interventions Fowler XP, Gladders B, Moore K, Mao J, Sedrakyan A, Goodney P. https://pubmed.ncbi.nlm.nih.gov/36248241/











### 2023 Top 10 VQI Publications



- Perioperative outcomes of carotid endarterectomy and transfemoral and transcervical carotid artery stenting in radiation-induced carotid lesions Batarseh P, Parides M, Carnevale M, Indes J, Lipsitz E, Koleilat I. https://pubmed.ncbi.nlm.nih.gov/34560219/
- Long-term implications of elective evar that is non-compliant with clinical practice guideline diameter thresholds de Guerre LEVM, Dansey KD, Patel PB, Marcaccio CL, Stone DH, Scali ST, Schermerhorn ML. https://pubmed.ncbi.nlm.nih.gov/34508797/
- Effect of postoperative antithrombotic therapy on lower extremity outcomes after Infrapopliteal bypass for chronic limb-threatening ischemia Marcaccio CL, Patel PB, Wang S, Rastogi V, Moreira CC, Siracuse JJ, Schermerhorn ML, Stangenberg L. https://pubmed.ncbi.nlm.nih.gov/35074410/
- The association between device instructions for use adherence and outcomes after elective endovascular aortic abdominal aneurysm repair De Guerre LEVM, O'Donnell TFX, Varkevisser RRB, Swerdlow NJ, Li C, Dansey K, van Herwaarden JA, Schermerhorn ML, Patel VI. https://pubmed.ncbi.nlm.nih.gov/35276256/
- Association of preoperative vein mapping with hemodialysis access characteristics and outcomes in the Vascular **Quality Initiative** Fedorova E, Zhang GQ, Shireman PK, Woo K, Hicks CW. https://pubmed.ncbi.nlm.nih.gov/34718099/













## Regional Meeting CME/CE Credit





Des Moines University is the continuing education provider for this activity.



The attendance roster will be cross-referenced with those applying for CME/CE. Sign in correctly.



Each participant **MUST COMPLETE BOTH** the <u>attendance attestation</u>
and the <u>meeting evaluation</u> from
the URL site – one form.



You will have 7 days from the date of the meeting to complete the forms and **SUBMIT.** 



Approximately 14 days from the meeting, Des Moines University will email you instructions on how to access your certificate.



PSO leadership is providing continuing education credit to you at no charge!

If you do not complete and submit the online forms within 7 days, continuing education credit cannot be awarded.

## **CE/CME** Meeting Attendance Credit



## **REMEMBER TO PSO:**



- PUT your FULL NAME in Zoom for remote attendees. Record of meeting attendance is required for CME/CE credit (no exceptions will be made)
- SEND an email to <u>ljohnson@svspso.org</u> with names of group members that are sharing 1 device
- OFFICIALLY apply for CME/CE credit by clicking the URL or QR code provided here:

https://dmu.co1.qualtrics.com/jfe/form/SV\_9ynSFG8xCMP54FM

You only have 7 days to complete forms for CME/CE Credit.

NO EMAIL WILL BE SENT AS A REMINDER OR WITH THE CME/CE LINK

#### Participation Award Results





Stanford Health Care **UC Davis Health System** Stanford Health Care-ValleyCare



**UCSF Medical Center** Stockton - St. Joseph's Medical Center



Palo Alto Medical Foundation Santa Cruz - Dominican Hospital

















## Quality Improvement Update Spring 2023













## Quality Improvement – Participation Awards



The following is a list of the four domains for the 2023 Participation Awards criteria:

- Domain 1 LTFU 40% weighted
- **Domain 2 Regional Meeting Attendance 30% weighted**
- Domain 3 QI Project 25% weighted



**Domain 4 – Registry Subscriptions – 5% weighted** 



https://www.vqi.org/quality-improvement/participation-awards/





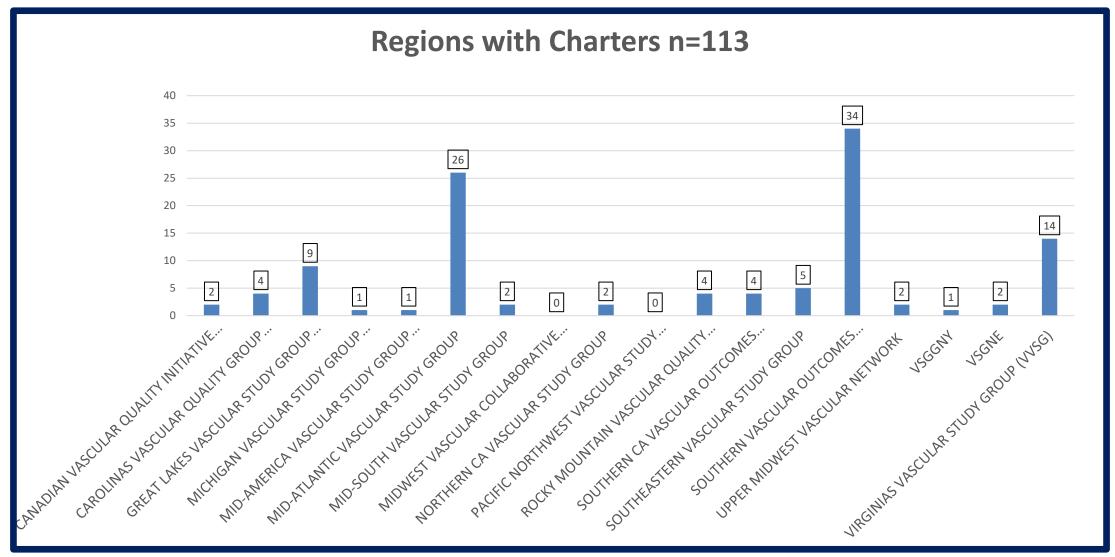






#### **Quality Improvement - Charters**











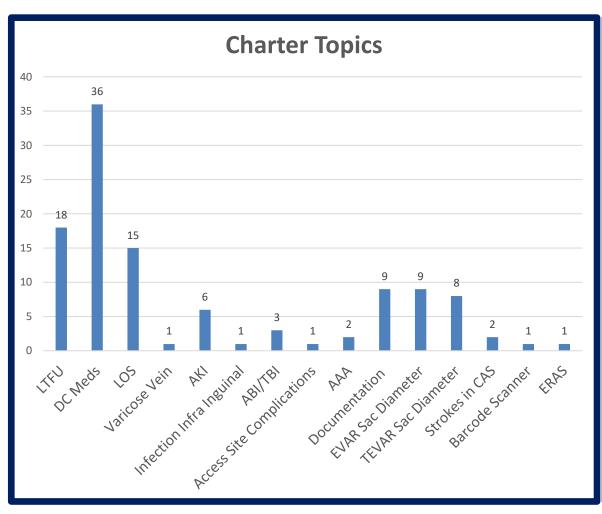


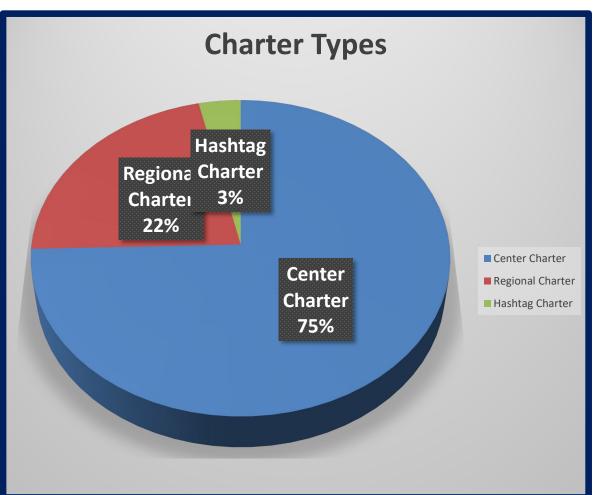




### Quality Improvement – Charter Breakdown



















#### **Quality Improvement**



- Quarterly Webinars (Charter and QI)
  - www.vqi.org/quality-improvement-members-only/#upcoming-events
- Sample Charters
  - www.vqi.org/quality-improvement/quality-improvement-tools/#qicharters
- Toolkits (VQI@VAM, Data Manager, LTFU)
  - www.vqi.org/quality-improvement/quality-improvement-tools/#qitoolkits
- New improved VQI website
  - www.vqi.org
- 1:1 Calls
  - bwymer@svspso.org











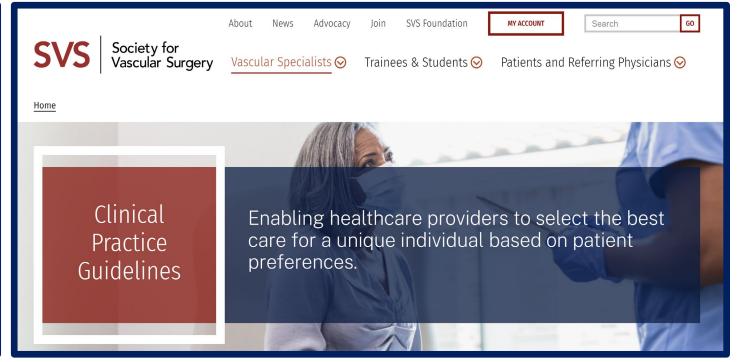






#### **SVS Clinical Practice Guidelines**

















### **SVS PSO Quality FIT Program**



- Existing FIT Trainees Jack Cronenwett Scholarship Application
  - Applications accepted January 9 February 28
  - FIT Committee Review March April
  - Scholarship winners announced at VQI@VAM 2023
- FIT Trainee 2023 Applications
  - Applications accepted January 9 February 28
  - FIT Committee Review April May
  - FIT Trainees with FIT Mentors announced at VQI@VAM 2023
- FIT Mentors
  - Accepted at any time
  - Contact <u>bwymer@svspso.org</u>
- www.vqi.org/quality-improvement/quality-fellowship-intraining-fit-program/









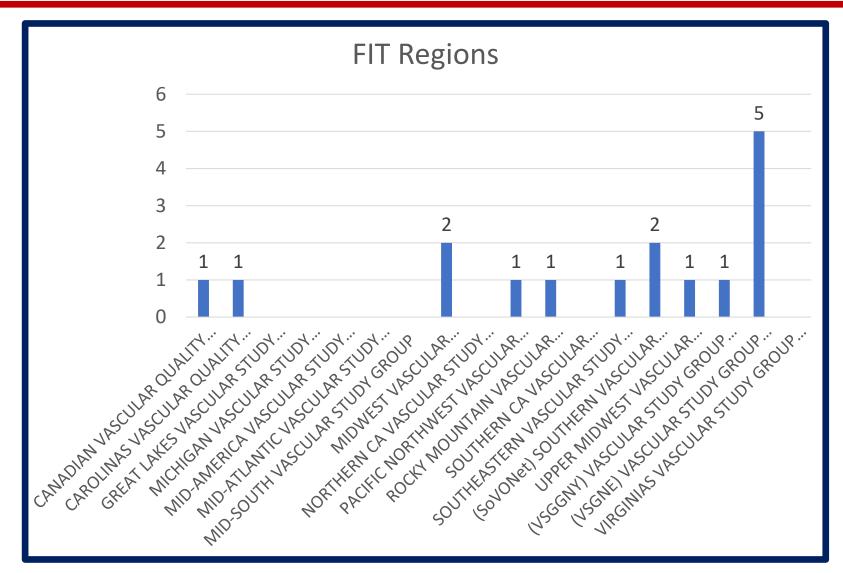






### **SVS PSO Quality FIT Program**





















# **Arterial Quality Council:** Misty Humphries, MD













## **Arterial Quality Council Update**



- Open AAA Major Revision
  - Will be renamed to accurately capture intent of the registry
  - Iliac to Left Subclavian
- Registry Committee updates
- Review Smoking Cessation and inclusion of vaping variables. Grp decided not at this time
- Introduction of the Data Integrity Program















## **Venous Quality Council:**

Eri Fukaya, MD













### Venous Quality Council Update



- Last Meeting February 22, 2023
- Re-engagement of the venous registry committees
  - Focus on new center recruitment
  - Review of current reporting
  - Brainstorming & discussion for addition of new reporting measures for bi-annual reports, Quarterly Dashboards and follow-up reports







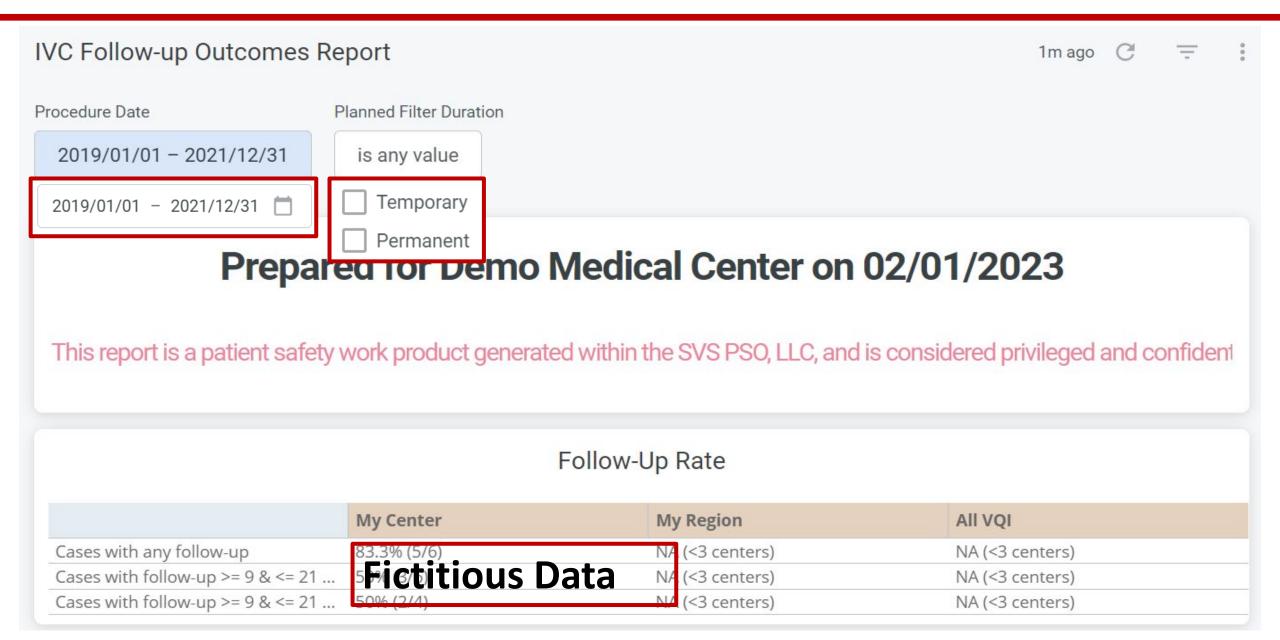






### IVC Filter Follow Up Report

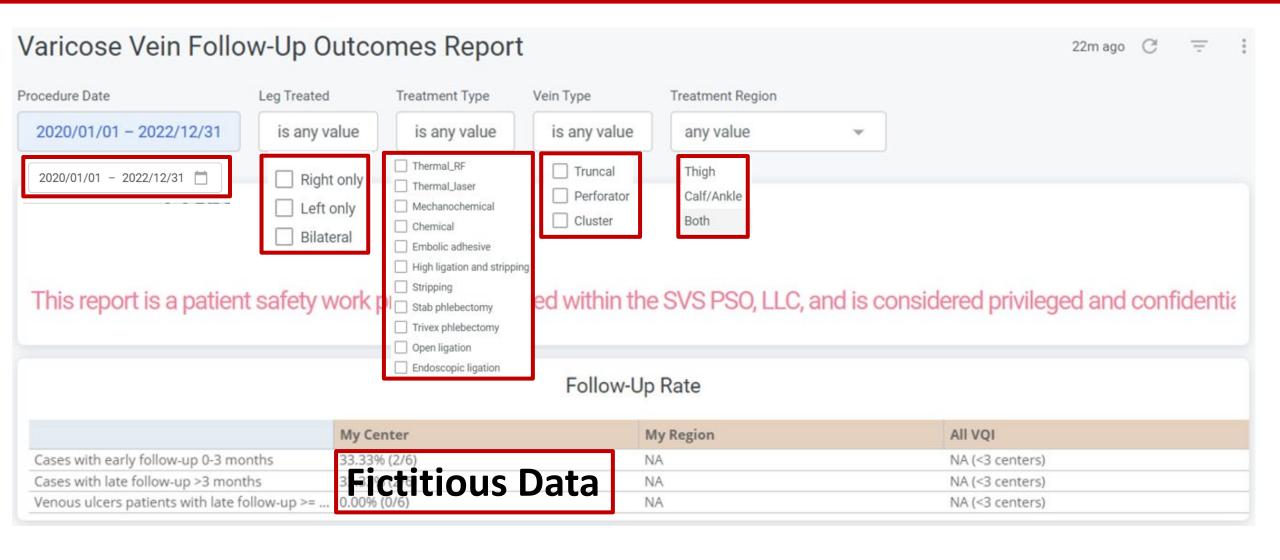






### Varicose Vein Follow-up Report

















### Arterial and Venous RAC Tips



- Melissa Latus is your PSO primary point of contact on the status or refresh request. mlatus@svspso.org
- An ACTIVE pathways account & privileges to 'Share a File' is required in order to receive your requested Blinded Data Set (BDS)
- Always include your RAC proposal number in any communications please.















# **Arterial Research Advisory Council:** James lannuzzi, MD













### **Arterial RAC Schedule**



### https://www.vqi.org/svs-vqi-national-arterial-rac-schedule/

- PSO Arterial RAC April 2023 Proposal Submission
- Call for Proposals: February 28, 2023
- Submission Deadline: March 28, 2023
- Meeting: April 10, 2023

- PSO Arterial RAC June 2023 Proposal Submission
- Call for Proposals: May 2, 2023
- Submission Deadline: May 30, 2023
- Meeting: June 12, 2023

- PSO Arterial RAC August 2023 Proposal Submission
- Call for Proposals: July 4,2023
- Submission Deadline: August 1, 2023
- Meeting: August 14, 2023













### **Arterial Research Advisory Council**



### 194 Publications in 2022

- **Data Security:** All investigators/team members are responsible for security of datasets, which are only to be used for the project for which they were approved.
- **Dataset Access:** Investigators have free access to the datasets to which their center has subscribed, providing that their center has at least 50% Long Term Follow-Up for the registry data being requested. Please confirm that your center subscribes to the dataset(s) you wish to analyze before submitting your proposal.
- Comparison of Specialties: The SVS VQI is a multi-specialty registry, therefore the SVS PSO Executive Committee does not allow comparisons between specialties in submission topics.













## **Venous Research Advisory Council:**

**Vacant** 













### Venous RAC Update:



### Created a separate Venous RAC in July 2020

The Vascular Quality Initiative - National Venous RAC Schedule (vqi.org)

#### 2020: 3 proposals

- The impact of vein size on closure rate in treatment of the saphenous vein for venous insufficiency: Jaime Benarroch-Gampel, MD
- Comparison of complication rates of IVC filters based on anticoagulant and indication: Emily Spangler, MD
- Effect of Access Site Choice on Angulation of IVC filter and Impact on retrieval rates: Khalil Qato, MD

#### 2021: 3 proposals

- Incidence of venous thromboembolic events (VTE) after endovenous ablation in patients with venous stasis ulcers (C6 disease): Jaime Benarroch-Gampel, MD
- Impact of Treatment Length and Treatment Region on Clinical Outcomes after Varicose Vein Procedures: Halbert Bai, MD
- Safety and efficacy of Endovenous ablation in patients with a history of DVT: Mikel Sadek, MD

#### 2022: Proposals

- Impact of IAC Vein Treatment Center Accreditation on practice habits, utilization index, and patient outcomes: ProMedica Toledo Hospital
- Patient, Provider, and Geographical Factors Influencing Appropriate Use of Endovenous Ablation Therapy
- Outcomes following endovenous ablation therapy for obese patients with CEAP C2 and C3 venous disease













### National Venous RAC



#### National Venous RAC Schedule

Submissions are made separately to the National Arterial RAC and the National Venous RAC - see the schedule below and the link to Abstracts123: http://abstracts123.com/svs1/

(If you do not have a login for Abstracts123, you can create one through the same link)

Bi-Monthly Schedule for National Venous RAC Proposal Submissions

### May 2023

Call for Proposals: March 28, 2023

Submission Deadline: April 25, 2023

Meeting: May 8, 2023

**July 2023** 

https://www.vqi.org/national-venous-rac-schedule/

Call for Proposals: May 30, 2023

Submission Deadline: June 27, 2023

Meeting: July 10, 2023















# **Governing Council:**













### **Governing Council Update**



### Meeting November 18, 2022

- Quality Improvement Update
  - Smoking Cessation as a National Quality Initiative
  - 2022 ended with a record # of charters 113
- RAC Submission
  - 5 proposals per cycle from each institution
  - Once a center reaches 15 Arterial RAC proposals, faculty member will be expected to serve on RAC as an at large member
- Frailty variable development
- OBL Registry Refinement; enhanced value, reporting/reimbursement, ease data burden
- Discussion Data burden within registry
  - Committee member engagement/expectations
  - Each Committee will have an associate chair
  - Enhance reporting measures
  - Review current variables; consider required fields; elimination of data variables













### Nominations Update



### For Spring 2023:

- Medical Director
  - Matthew Mell, MD, term ended
  - Shipra Arya, MD, term started spring 2023
- Open Nominations
  - NCVSG Associate Medical Director (AMD)













### NCVSG 2023 Fall Regional Meeting



- Date
- Location













### Thank You!!



- Industry Supporters
  - -Cook Medical
  - -W.L. Gore
- CME/CE Accrediting Entity Des Moines University
- Regional Membership Team













### **CE/CME** Meeting Attendance Credit



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