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PS160. Management of Median Arcuate Ligament Syndrome (MALS) with Decompression and Coeliac Ganglion Sympathectomy (CGS) for Chronic Mesenteric Ischaemia (CMI). Procedural, Clinical and Enduring Results With Quality-Adjusted Time Spent Without Symptoms of Disease and Toxicity of Treatment (Q-TWiST)
Sherif Sultan, and Niamh Hynes

C11: POSTER PRESENTATION II -VASCULAR TRAUMA: AORTIC, ARTERIAL, VENOUS; VENOUS DISEASE

PS162. Intravascular Ultrasound Is More Sensitive Than Angiography in the Diagnosis of Blunt Traumatic Aortic Injury

PS164. National Outcomes of Open and Endovascular Repair of Traumatic Transection of the Thoracic Aorta
Premal S. Trivedi, Teviah Sachs, Frank B. Pomposelli, Mark C. Wyers, Allen D. Hamdan, and Marc L. Schermerhorn

PS166. Role of Intravenous Ultrasound in Assessment of Iliac-Femoral Vein Stenosis
Saadi Alhalbouni, Daniel Jung, Anil Hingorani, Enrico Ascher, Alexsander Shiferson, Natalie Marks, and Kapil Gopal

PS168. Postoperative Morbidity and Mortality of Venous Thrombectomy: A Review of the NSQIP Database
Eleftherios S. Xenos, Shane O’Keeffe, David Minion, Ehab Sorial, and Eric Endean

PS170. Deep Venous Thrombosis (DVT) in Critically Ill Trauma Patients: There Are No Low-Risk Patients
Amir F. Azarbal, Susan Rowell, Jason Lewis, Shannon Moseley, Rakhee Urankar, Erica Mitchell, and Gregory Moneta
PS172. Does Topical Wound Oxygen (TWO2) Offer an Improved Outcome Over Conventional Compression Dressings (CCD) in the Management of Refractory Non-healing Venous Ulcers (RVU)? Three-Year Technical and Clinical Outcome and Midterm Results With Quality-Adjusted Time Spent Without Symptoms of Disease and Toxicity of Treatment (Q-TWiST)
Sherif Sultan, and Wael Tawfick

PS174. A Systematic Review on the Effectiveness of Knee Versus Thigh Length Graduated Compression Stockings in Thromboprophylaxis for Surgical Patients
Mital Y. Desai, Mohammed Shafique Sajid, and George Hamilton

Natalie Marks, Enrico Ascher, Anil Hingorani, Alexsander Shiferson, Kapil Gopal, Daniel Jung, and Theresa Jacob

PS178. Value and Limitations of Repeat VNUS Closure of the GSV
Anil Hingorani, Enrico Ascher, Natalie Marks, Alexsander Shiferson, Kapil Gopal, Daniel Jung, and Theresa Jacob

PS180. The Role of Ultrasound to Identify Non-thrombotic Lower Extremity Pathology
Anil Hingorani, Enrico Ascher, Natalie Marks, Alexsander Shiferson, Kapil Gopal, Daniel Jung, and Theresa Jacob

C11: POSTER PRESENTATION II -OTHER

PS182. Clinically Significance Incidental Computed Tomographic (CT) Finding in Patients Undergoing Endovascular Aortic Aneurysm Repair
Tze-Woei Tan, Chin-Chin Yeh, Edward J. Marcaccioa, Wilfred I. Carney, and Jeffrey M. Slaiby

PS184. Spectrum of Presentation of Thoracic Outlet Syndrome in Adolescents
Julie A. Freischlag, Kevin Chang, Kylie Davis, Taylor Roethle, Jasmine Demos, and Thomas Reifnyder

PS186. The Cranial Radiation Exposure of Vascular Interventionalists
David B. Wilson, Russell A. Becker, Robert G. Molnar, and Carlo A. Dall’Olmo

PS188. Effects of Anesthesia Versus Regional Nerve Block on Major Leg Amputation Mortality Rates
Lin Roy, Anil Hingorani, Enrico Ascher, Natalie Marks, Alexsander Shiferson, Kapil Gopal, Daniel Jung, and Theresa Jacob

PS190. The Comparison of Continuous Electrocardiography Monitoring Devices for the Detection of New-Onset Arrhythmias During Vascular Surgery
Tamara Winkel, Michiel T. Voute, Olaf Schouten, Mirko de Melis, Willem-Jan Flu, Jan P. Oomen, Hence J. Verhagen, and Don Poldermans
PS192. Effectiveness of Vascular Sealant® Compared With GELFOAM®/Thrombin for Control of Anastomosis Suture Line Bleeding: A Prospective, Randomized, Multi-center Trial
Sean O'Donnell, Ann Goetchues, Adriana Lins, Cameron Akbari, Federick Beavers, Jacob Lustgarten, and John Ricotta

PS194. Radiation Dose Optimization for Endovascular Aneurysm Repair (EVAR)
Adrian O’Callaghan, Colin L. Walsh, Geraldine O’Reilly, Jason Lee, Mary P. Colgan, Syed Haider, Neil Cloete, Sean M. O’Neill, Prakash Madhavan, and Dermot Moore

PS196. Ultrasonic Debridement for the Treatment of Infected Grafts
Michele Carmo, Sergio Roveri, Miriam Fumagalli, Luca Tassinari, Sabina Terragni, Alberto M. Settembrini, Andrea Rignano, and Piergiorgio G. Settembrini

PS198. Presentation, Management and Outcome of Femoral Anastomotic Pseudoaneurysms in the Era of Endovascular Interventions

PS200. Post-Discharge 30-Day Mortality After Vascular Surgery
Eleftherios S. Xenos, Daniel Davenport, David J. Minion, Shane O’ Keeffe, Ehab Sorial, and Eric Endean

PS202. Durable Effect of Nitric Oxide at Inhibiting Neointimal Hyperplasia Is due to Modulation of Cellular Populations Throughout the Arterial Wall
Ashley Vavra, Janet Martinez, Vanessa R. Lee, Bo Fu, Qun Jiang, and Melina R. Kibbe

PS204. Toll-like Receptors 2 and 4, but Not RAGE Deficiency Results in Greater Muscle Necrosis 2 Weeks After Hind-limb Ischemia: Implications for Muscle Recovery After Ischemic Injury
Ulka Sachdev, Xiangdong Cui, Tian Wang, and Edith Tzeng

PS206. A Specific Inhibitor of IGF-1 Receptor - Picropodophyllin Can Suppress Atheroma Progression and Has a Stabilizing Effect on Atherosclerotic Lesions in ApoE Deficient Mice
Anton Razuvaev, Ole Larsson, Magnus Axelson, Ulf Hedin, and Joy Roy

PS208. Cytostatic Gene Therapy: RNAi-Mediated Survivin Knockdown Induces Cell Cycle Arrest, Polyploidy, and Reduced Migration of Vascular Smooth Muscle Cells (VS MC)
Christoph S. Nabzdyk, Hope Lancero, Khanh P. Nguyen, Sherveen Salek, and Michael S. Conte

PS210. Surgical Restoration of Flow Following Prolonged Ischemia Inhibits Neuromuscular Recovery in a Porcine (Sus Scrofa) Model of Extremity Vascular Injury
Gabriel Burkhardt, Shaun Gifford, Brandon Propper, Jerry Spencer, Ken Williams, Lyell Jones, Nathan Sumner, Jerry Cowart, and Todd E. Rasmussen
PS212. Human Adult Stem Cells Restore Endothelial Migratory Dysfunction in a Hypoxic Environment
Sarah Fernandez, Rachel Song, Jason Comeau, Stephen McIlhenny, Ping Zhang, Hamid Abdollahi, Thomas Tulenko, and Paul DiMuzio

PS214. Estrogen Stimulates the Cellular Processes of Intimal Hyperplasia Development via ERK1/2 Dependent Signaling Cascades
Deidra J. Mountain, Mike Tummers, Stacy S. Kirkpatrick, David C. Cassada, Scott L. Stevens, Michael B. Freeman, Mitchell H. Goldman, and Oscar Grandas

PS216. Short-term Diet Induced Obesity Drives Negative Vein Graft Remodeling
Peng Yu, Binh Nguyen, Ming Tao, Christina Campagna, James A. Lederer, and C. K. Ozaki

PS218. Effect of Remote Ischemic Preconditioning in Liver Ischemia—Reperfusion Injury Produced by Supraceliac Aortic Cross-clamping in a Swine Model of Open Repair of Thoracoabdominal Aortic Aneurysm
Andreas M. Lazaris, Georgios Martikos, Alkistis Kapelouzou, Katerina Pavlaki, Michalis Peroulis, John Kakisis, Spyros Vasdekis, Panagiotsi Karagiannakos, Gabriel Karatzas, Anastasios Mahecars, Alkiviadis Kostakis, and Theodore Liakakos

PS220. Peroxiredoxin-2 as Circulating Biomarkers for Small Abdominal Aortic Aneurysm Progression: A Proteomic View
Sigitas Urbonavicius, Jes S. Lindholt, Grazina Urbonaviciene, Eskild W. Henneberg, and Bent Honoré

C11: POSTER PRESENTATION II - RESEARCH (2)

PS222. An Aortic Model for Physiological Assessment of Aortic Stent-grafts and In Vitro Compliance Measurement
Mital Y. Desai, Max Ahmed, Arnold Darbyshire, Alexander Seifalian, and George Hamilton

PS224. Nogo-B Protein Modulates Intimal Thickening During Vein Graft Adaptation
Yuka Kondo, Akihito Muto, Tai Yi, Amanda Feigel, Kenneth Ziegler, Lynn Model, Sammy Eghbalieh, Jun Yu, William Sessa, and Alan Dardik

PS226. Nitric Oxide Decreases the Expression of the 11S Proteasome Activator In Vivo
Nick D. Tsihlis, Ashley Vavra, Janet Martinez, Bo Fu, Qun Jiang, and Melina R. Kibbe

PS228. Cilostazol Causes Angiogenesis Mediated Through the Enhancement of Nitric Oxide Production in The Ischemic Hindlimb of Mouse
Akihiko Hori, Rei Shibata, Hiroshi Narita, Masayoshi Kobayashi, Kiyohito Yamamoto, and Kimihiro Komori

PS230. A Novel In Vitro Model of Chronic Venous Insufficiency
Carolyn Glass, John Cullen, Yanji Qi, Elisa Roztocil, Michael Singh, Karl Illig, and David Gillespie
PS232. Expression of the Heat Shock Protein HSPB1 Is Associated With Impaired Smooth Muscle Relaxation
Syed Z. Rizvi, Kyle M. Hocking, Erica Morley, Padmini Komalavilas, Joyce Cheung-Flynn, and Colleen M. Brophy

PS234. A Mouse Model of Vascular Grafting
Chi-Nan Tseng, Einar Eriksson, and Ulf Hedin

PS236. Hydrophilic Surface Treatment of Thin Film Nickel Titanium Reduces Bacterial Biofilm Production Compared to Commercially Available Endograft Materials
Allan W. Tulloch, Youngjae Chun, Colin Kealey, Kotekar P. Mohanchandra, Josephine Chang, Vlada Milisavljevic, Daniel S. Levi, Peter F. Lawrence, and David A. Rigberg

PS238. Regulation of Endothelin-1 and Endothelin Receptors by Shear Stress in Vascular Smooth Muscle Cells
Johan Ekstrand, Anton Razuvaev, Joy Roy, and Ulf Hedin

PS240. Edaravone Suppresses Reperfusion Injury After Leg Ischemia in Rat Models
Mitsuhiro Yamamura, Yuji Miyamoto, Masataka Mitsuno, Hiroe Tanaka, Masaaki Ryomoto, Shinya Fukui, and Yoshiteru Yoshioka

S6: SVS PLENARY SESSION VI

SS31. Ethyl Pyruvate Prevents Delayed Paralysis in a Murine Model of Spinal Cord Ischemic Injury

SS32. Long-term Results of Aorto-Arterial Surgery in Children With Renovascular Hypertension From Mid Aortic Syndrome With and Without Involvement of Renal and Mesenteric Arteries: Single-Center Experience in 44 Cases
Wilhelm Sandmann, Siamak Pourhassan, Kai M. Balzer, Phillip Dueppers, Dirk Klee, Klaus G. Schmidt, and Adina Voiculescu

SS33. Sudden Death During Follow-up After New-onset Ventricular Tachycardia’s in Vascular Surgery Patients
Tamara Winkel, Olaf Schouten, Michiel T. Voute, Sanne E. Hoeks, Mirko de Melis, Hence J. Verhagen, and Don Poldermans

Video Presentation
VS 6. Combined Endovascular and Surgical Treatment of Severe (TASC D) Aortoiliac Occlusive Disease
Vikram S. Kashyap, and Turki Albacker

SS34. A Regional Quality Improvement Effort to Increase Preoperative Beta-Blocker Utilization
Brian Nolan, Jens Eldrup-Jorgensen, Adam Beck, Andrew Stanley, Philip P. Goodney, Andres Schanzer, Donald Likosky, and Jack L. Cronenwett
SS35. Peripherally Inserted Central Catheter (PICC) Usage Patterns and Associated Upper Extremity Venous Thrombosis
Timothy K. Liem, Keenan E. Yanit, Shannon E. Moseley, Claudia A. Rumwell, Gregory J. Landry, Erica Mitchell, and Gregory Moneta

S7: JAMES M. SEEGER EDUCATION SESSION

SS36. Vascular Surgery Board Analysis of the Surgical Operative Experience of Trainees and Practicing Vascular Surgeons

Video Presentation

VS 7. Technique for Supraceliac Balloon Aortic Control During EVAR for Ruptured Abdominal Aneurysms
Frank J. Veith, Neal S. Cayne, Manish Mehta, Mario Lachat, Martin Malina, Martin Malina, and Krassi Ivancev

SS37. Standardization Is Superior to Traditional Methods of Teaching Simulated Vascular Anastomoses
Jonathan Bath, Jessica O’Connell, Jonathan Hiatt, Sebastian Uijtdehaage, Gavin Davis, Juan Carlos Jimenez, and Peter F. Lawrence

C14: PERIPHERAL VASCULAR SURGICAL SOCIETY PAPER SESSION III

PVSS13. Acute Mesenteric Ischemia: A Comparison of Endovascular Revascularization to Traditional Therapy
Zachary M. Arthurs, Jessica M. Titus, Mohsen Bennadazeh, Sunita Srivastava, Matthew J. Eagleton, and Daniel G. Clair

PVSS17. Routine Venography Following Transaxillary First Rib (FRRS) Resection for Subclavian Vein Thrombosis Ensures Excellent Outcomes and Vein Patency
Julie A. Freischlag, Kevin Chang, Jasmine Demos, and James Black

PVSS18. Open Surgical and Hybrid Reconstructions for Non-malignant Occlusion of the Iliofemoral (IF) Veins and the Inferior Vena Cava (IVC): Factors Affecting Long-term Outcome

C19: PERIPHERAL VASCULAR SURGICAL SOCIETY PAPER SESSION IV

PVSS21. Endovascular Solutions to Arterial Complications Resulting from Posterior Spine Surgery
Shang Loh, Thomas Maldonado, Todd Berland, Caron Rockman, Frank J. Veith, and Neal S. Cayne
RR1. Derivation and Validation of a Practical Risk Score for Mortality After Repair of Ruptured Abdominal Aortic Aneurysms and Comparison to Existing Models in a U. S. Regional Cohort
William P. Robinson, Andres Schanzer, Youfu Li, Brian W. Nolan, Philip P. Goodney, Mohammad H. Eslami, Louis Messina, and Jack L. Cronenwett

RR2. Outcome of EVAR for Small Abdominal Aortic Aneurysms: Results From a 5-Year Prospective Clinical Trial
Jeffrey Jim, Brian G. Rubin, Patrick J. Geraghty, and Luis A. Sanchez

RR3. Left Subclavian Artery Coverage During Endovascular Thoracic Aortic Repair and Risk of Perioperative Stroke or Death
Matthew A. Corriere, Jayer Chung, Karthikeshwar Kasirajan, Ravi Veeraswamy, Thomas F. Dodson, Atef A. Salam, and Elliot L. Chaikof

RR4. Sideways Movement of the Endograft Within the Aneurysm Sac Is Associated With Late Adverse Events
Evert Waasdorp, Madhu Gorrepati, Frans Moll, and Christopher Zarins

RR5. Continued Favorable Results With Type IV Thoracoabdominal Aortic Aneurysm Repair
Virendra I. Patel, Emel Ergul, Mark F. Conrad, Matthew Cambria, Vikram Paruchuri, Glenn M. LaMuraglia, Christopher J. Kwolek, David C. Brewster, and Richard P. Cambria

Sherif Sultan, and Niamh Hynes

RR7. Accommodating Complex Aortic Neck Morphology During EVAR: A Prospective Analysis of Stentgrafts With Suprarenal Fixation
Manish Mehta, John B. Taggert, Yaron Sternbach, Sean P. Roddy, Paul B. Kreienberg, Philip Faty, Kathleen J. Ozsvath, Benjamin B. Chang, Dhiraj M. Shah, and R Clement Darling

RR8. Long-term Results of Endovascular Repair of Paraanastomotic Aneurysms After Previous Conventional Aortic Prosthetic Reconstruction
Jan A. Ten Bosch, Evert J. Waasdorp, Joep A. Teijink, Jean-Paul M. de Vries, Frans L. Moll, and Joost A. van Herwaarden

RR9. Success of Type 2 Endoleak Embolization for Abdominal Aortic Aneurysm (AAA) Sac Enlargement
Connor A. Gibbons, Timur P. Sarac, Vikram S. Kashyap, Mary Loa Bastan, James Bena, Tara Mastracci, Sean Lyden, Matthew J. Eagleton, Sunita Srivastav, and Daniel Clair

RR10. Aneurysmal Iliac Arteries Do Not Portend Future Iliac Aneurysmal Enlargement After EVAR for AAA
Melissa L. Kirkwood, Alan Saunders, Benjamin M. Jackson, Grace J. Wang, Ronald M. Fairman, and Edward Y. Woo
RR11. A Population-Based Study of Polymorphisms in Genes Related to Sex Hormones and Abdominal Aortic Aneurysm
Jonathan Golledge, Erik Biros, Nicole Warrington, Gregory Jones, Matthew Cooper, Andre van Rij, Lyle Palmer, and Paul Norman

RR12. Disease Progression Following Initial Surgical Intervention for Takayasu’s Arteritis
Sung W. Ham, Ram K. Subramanam, Vincent L. Rowe, and Fred A. Weaver

RR13. Comparison of Percutaneous Versus Open Repair of Femoral Arteries During Aortic Endovascular Aortic Repair
Nicolas Louis, Pascal Desgranges, Eric Allaire, Hicham Kobeiter, Jean Marzelle, and Jean-pierre Becquemin

Carlos A. Figueroa, Victoria Yeh, Charles A. Taylor, Madhu L. Gorrepati, and Christopher K. Zarins

RR15. Outcomes of Carotid Artery Stenting Versus Historical Surgical Controls in Patients With Radiation-Induced Carotid Stenosis, With or Without Prior Neck Dissection

Efthimios D. Avgerinos, Elias Brountzos, Andreas M. Lazaris, Anastasios Papapetrou, Nikolas Ptohis, Triantafilios Giannakopoulos, and Christos Liapis

RR17. Learning Curve Associated With the Use of the Carotid Flow Reversal System
Karthikeshwar Kasirajan, and Daniel Clair

RR18. Open AAA Repair Is Feasible and Can Be Done With Excellent Results in Octogenarians
Edward Y. Woo, Brant Ullery, Jeffrey P. Carpenter, Grace J. Wang, Ronald M. Fairman, and Benjamin M. Jackson

RR19. Carotid Artery Disease: Risk Factor Analysis in a Cohort of 3.9 Million Individuals
Giampaolo Greco, Natalia N. Egorova, K. Craig Kent, Robert M. Zwolak, Andrew Manganaro, Alan Moskowitz, Annetine Gelijns, and Thomas S. Riles

RR20. Influence of Vascular Access Type on Gender and Ethnicity Related Mortality in Hemodialysis Patients
Karen Woo, Janis Yao, David C. Selevan, and Robert J. Hye
RR21. Duplex-Guided Balloon-Assisted Maturation (BAM) of Arteriovenous Fistulas (AVF) in the Office
Enrico Ascher, Natalie Marks, Anil Hingorani, Alexander Shiferson, and Pamela Boniscavage

RR22. Medical Student Career Survey: Vascular Surgery Awareness Initiative
Gonzalo Obnial, Yevgeny Rits, Eric Mancini, O. William Brown, and Jeffrey Rubin

RR23. Comparison of Patient Characteristics Between Spontaneous Isolated Superior Mesenteric Artery Dissection and Combined Aortic and Superior Mesenteric Artery Dissection
Young-Wook Kim, Young-Nam Roh, Woo-Sung Yun,Ui-Jun Park, Dong-ik Kim, Kwang-Bo Park, Young-Su Do, and Duk Kyung Kim

RR24. Intrainguinal Bypass Is Associated With Higher Survival Than Major Amputation in Patients With Severe Comorbidities
Neal R. Barshes, Louis Nguyen, C. Keith Ozaki, Richard Bafford, Matthew T. Menard, and Michael Belkin

RR25. Iliac Artery Stenting Combined With Open Femoral Endarterectomy Is As Effective As Open Surgical Reconstruction for Severe Aortoiliac and Common Femoral Occlusive Disease
Michele Piazza, Joseph J. Ricotta, Gustavo S. Oderich, Thomas C. Bower, Manju Kalra, Audra A. Duncan, Stephen Cha, and Peter Gloviczki

RR26. Longitudinal Outcomes After Tibioperoneal Angioplasty in the US Medicare Population: In-hospital and 30-Day Outcomes
Todd R. Vogel, Viktor Y. Dombrovsky, Jeffrey L. Carson, and Alan M. Graham

RR27. Effect of Physician and Hospital Experience on Patient Outcomes for Endovascular Treatment of Aortoiliac Occlusive Disease
Charles T. Tuggle, Julie A. Sosa, Anant Mandawat, and Jeffrey E. Indes

RR28. Wall Composition of Popliteal Artery Aneurysms Differs From Abdominal Aortic Aneurysms
Rob Hurks, Rogier H. Kropman, Claire W. Pennekamp, Imo E. Hoefer, Jean-Paul P. de Vries, Gerard Pasterkamp, Aryan Vink, and Frans L. Moll

RR29. LEAP Classification Predicts Lower Extremity Amputation and Mortality in Diabetic Patients
Takki A. Momin, Khaled H. Abdeljawad, Robyn A. Macsata, Charles J. Shuman, Anit Vettukattil, Richard L. Amdur, and Anton N. Sidawy

RR30. Intraoperative DynaCT During Endovascular Aneurysm Repair
Martijn L. Dijkstra, Matthew J. Eagleton, Roy K. Greenberg, and Tara Mastracci

RR31. Peak Perioperative Troponin I Levels With The Revised Cardiac Risk Index Predict Outcomes Following Vascular Surgery
Nicholas Marston, Jorge Brenes, Santiago Garcia, Michael Kuskowski, Steve Santilli, and Edward McFalls

RR32. Positional Compression of the Axillary Artery in the Thoracic Outlet: The Spectrum of Lesions in the Overhead Athlete
Yazan Duwayri, Valerie Emery, and Robert Thompson

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RR33. Iatrogenic Arterial Complications of Spine and Orthopedic Operations
Sachinder Hans, Alexander Shepard, Pritham Reddy, and William Romano

RR34. Inflammatory Biomarkers and Clinical Characteristics Diagnose Deep Venous Thrombosis
Eduardo Ramacciotti, Kenneth Guire, Susan Blackburn, Angela Hawley, Frank Vandy, Nicole Ballard-Lipka, Cathy Stabler, Nicole Baker, Peter Henke, John Rectenwald, Daniel Myers, and Jr, Thomas Wakefield

RR35. Endovenous Ablation of the Greater Saphenous Vein—Significance of Proximal Venous Tributaries
Onyeka Nwokocha, Windsor Ting, Shaiff Ellozy, Angeliki Vouyouka, Victoria Teodorescu, Michael Marin, and Peter Faries