DEFY VEDS Scientific Meeting

Monday, August 29, 2022

8:00	Welcome and Opening Remarks Tony Yasick, DEFY Foundation; Michael Weamer, CEO, The Marfan Foundation; Xavier Jeunemaitre, MD, University Paris Cite, France				
Session #1	**Pathogenic Mechanisms, Genes and Modifers Using Mouse Models** Moderator: Hal Dietz, MD				
8:15	V1: A Gene, Variant and Mechanism for a Potent Protective Modifier of Vascular Ehlers-Danlos syndrome	Bowen	Caitlin	Johns Hopkins University School of Medicine	United States
8:30	V2: Endothelin-1 Contributes to Vascular Rupture in Vascular Ehlers Danlos Syndrome Mice	Bowen	Caitlin	Johns Hopkins University School of Medicine	United States
8:45	V3: Interrogation of the Role of Androgens and Their Antagonists in the Pathogenesis and Treatment of Vascular Ehlers-Danlos Syndrome (VEDS)	Juzwiak	Emily	Johns Hopkins University	United States
9:00	V4: Castration of Males Prevents Arterial Rupture in a Mouse Model of Vascular Ehlers- Danlos Syndrome	Jeunemaitre	Xavier	Universite Paris Cite	France
9:15	V5: Administration of Ciprofloxacine Does Not Worsen the Vascular Prognosis in a Mouse Model of Vascular Ehlers-Danlos Syndrome	Jeunemaitre	Xavier	Universite Paris Cite	France
9:30	V6: Novel Assay to Assess the Aortic Rupture of Mice Modeling Aortic Diseases	Stengl	Roland	Swiss Foundation for People with Rare Diseases	Switzerland
9:45	Discussion				
10:00 -10:30	BREAK				
Session #2	**Therapeutic Strategies** Moderator: Xavier Jeumatrie, MD				
10:30	V7: A Decentralized Study Design: A Phase 3 Clinical Study in Patients with COL3A1-Positive Vascular Ehlers-Danlos Syndrome to Determine Whether Celiprolol Delays the Onset of vEDS-related Clinical Events Compared to Placebo	Björck	M.	Acer Therapeutics, Inc	United States
10:45	V8: Added Value of Statins in Vascular Ehlers-Danlos Syndrome	Schoenholzer	Marc	Swiss Foundation for People with Rare Diseases	Switzerland
11:00	Discussion				
Session #3	**Surgical Management of Clinical Outcomes** Moderator: Sherene Shalhub, MD, MPH				
11:15	V9: Iliac Artery Pathology Presentation and Management in Vascular Ehlers Danlos Syndrome	El-Ghazali	Asmaa	University of Washington	United States
11:30	V10: Presentation and Management of Splenic Arteriopathy in Patients with Vascular Ehlers Danlos Syndrome	El-Ghazali	Asmaa	University of Washington	United States
11:45	V11: Abdominal Aortic Dissection is the Predominant form of Abdominal Aortic Pathology in Vascular Ehlers-Danlos Syndrome	Gadiraju	Veda	University of Washington	United States
12:00	Discussion				
12:15 - 1:30	LUNCH				
Session #4	**Pregnancy Studies** Moderators: Shaine Morris, MD, MPH and Peter Byers, MD				
1:30	V12: Breastfeeding Practices and Vascular Complications Among Pregnant Women with VEDS	Stephens	Sara	Baylor College of Medicine	United States
1:45	V13: Gestational Age as a Proxy for Arterial Fragility in Vascular Ehlers-Danlos Syndrome	Stephens	Sara	Baylor College of Medicine	United States
Session #5	**Natural History Studies** Moderators: Shaine Morris, MD, MPH and Peter Byers, MD				
2:00	V14: Vascular Ehlers-Danlos Syndrome – A Comprehensive Natural History Study in the Dutch Patient Cohort	Van Den Bersselaar	Lisa	Erasmus MC	Netherlands
2:15	V15: Defining Thoracic Aortic Pathology in Vascular Ehlers-Danlos Syndrome	Cecchi	Alana	University of Texas Health Science Center at Houston	United States
2:30	V16: A Case Series of Spontaneous Coronary Artery Dissection in Vascular Ehlers-Danlos Syndrome	Ghali	Neeti	EDS service London	United Kingdom

2:45	V17: A Diagnosis of Vascular Ehlers Danlos Syndrome in Childhood: Clinical and Molecular Features of 60 Individuals.	van Dijk	Fleur	(1) North West University Healthcare NHS Trust, London, UK, (2) Imperial College London, London, UK	United Kingdom
3:00	V18: Vascular EDS in Adulthood: An Overview of Clinical and Molecular Features of 151 Individuals.	van Dijk	Fleur	(1) London North West University NHS healthcare trust (2) Imperial College	United Kingdom
3:15	V19: Poster Highlight: Self-Reported Quality of Life Issues in Adults with VEDS	Fulton	Daphne	Sam Houston State University	United States
3:20	V20: Poster Highlight: Improved Physical Functioning in a VEDS Patient	Vanem	Thy Thy	Oslo University Hospital	Norway
3:25 - 5:00	Poster Session, Coffee Break, and Cocktails				

International Marfan, LDS, and Related Conditions

Tuesday, August 30, 2022

8:00		Welcome and Opening Remarks				
Speaker #	**Session #1**	**Molecular Pathogenesis and Modifiers**	**Speaker**			
S1	8:15	Mechanistic Dissection of a Gene-by-Environment Interaction Informs Regional Vulnerability to Aortic Aneurysm and Therapeutic Opportunities in Marfan Syndrome and Related Disorders	Anderson	Nicole	Johns Hopkins Medical Institutions	United States
S2	8:30	Fibrillin microfibril structure identifies long-range effects of inherited pathogenic mutations affecting a key regulatory binding site for latent TGFβ	Baldock	Clair	University of Manchester	United Kingdom
S3	8:45	BMP driven mechanisms in aortic aneurysm formation in a mouse model of Marfan syndrome	Sengle	Gerhard	University of Cologne	Germany
		Poster Highlights	**Speaker**			
S4	9:00	Local TGF-beta sequestration by fibrillin-1 regulates vascular wall homeostasis in the thoracic aorta	Deleeuw	Violette	Ghent University	Belgium
S5	9:05	Smooth muscle cell specific Klf4 deletion is insufficient to prevent phenotypic modulation in Marfan syndrome mice	Pedroza1	Albert	Stanford University	United States
S6	9:10	Incomplete penetrance and variable clinical expression of a Belgian TGFB3 founder variant suggests the presence of a genetic modifier.	Perik	Melanie	Centrum Medische Genetica	Belgium
S7	9:15	Elastin denudation underlies early aortic degeneration in Loeys-Dietz syndrome 3	Pickering	Geoffrey	London Health Sciences Centre	Canada
S8	9:20	Fibrillin-1-regulated miR-122 has a critical role in thoracic aortic aneurysm formation	Reinhardt2	Dieter	McGill University	Canada
S9	9:25	Versican accumulation causes aortic disease in Marfan Syndrome	Ruiz-Rodríguez	María Jesús	Centro Nacional de Investigaciones Cardiovasculares (CNIC)	Spain
S10	9:30	In search of genetic modifiers that explain the phenotypic variability in SMAD3-related aortopathy	Velchev	Joe Davis	University of Antwerp	Belgium
N/A	9:35 - 10:00	BREAK				
Speaker #	**Session #2**	**Advances in Imaging, Biomarkers and Cardiovascular Research**				
S11	10:00	Mitral Annular Disjunction and Arrhythmias in Marfan Syndrome	Ezzeddine	Fatima	Mayo Clinic	United States
S12	10:15	Circulating Fibrillin Fragments as Biomarkers for Thoracic Aortic Dissection	Sakai	Lynn	Oregon Health and Science University	United States
S13	10:30	Label-free imaging for acute aortic dissection by using Marfan syndrome model mouse	Sugiyama	Kaori	Waseda University	Japan
S14	10:45	Aortic flow patterns by 4D flow CMR in Marfan and Loeys-Dietz patients before and after valve sparing aortic root replacement: A comparison with healthy volunteers	Teixido Tura	Gisela	Hospital Universitari Vall d'Hebron	Spain
		Poster Highlights	**Speaker**			
S15	11:00	Aortic and Vascular Responses to Exercise in Pediatric Marfan and Loeys-Dietz Syndrome	Khodabakhshian	Nairy	The Hospital for Sick Children (SickKids)	Canada
Speaker #	**Session #3**	**Natural History and Clinical Outcome Studies**				
S16	11:05	Intracranial Aneurysms in Patients with Loeys-Dietz Syndrome	Huguenard	Anna	Washington University in St. Louis	United States
S17	11:20	Family history of aortic dissection in patients with a FBN1 pathogenic variant	Jondeau	Guillaume	APHP	France
S18	11:35	Presentation and management of arteriopathy in Marfan syndrome	Shibale	Palcah	University of Washington	United States
		Poster Highlights	**Speaker**			
S19	11:50	Impact of Obesity on Clinical Outcomes in Marfan Syndrome	Braverman1	Alan	Washington University School of Medicine	United States
S20	11:55	Individualized aortic root prediction in pediatric Marfan syndrome	Lovin	Julia	Baylor College of Medicine	United States
S21	12:00	Loeys-Dietz syndrome: natural history, clinical spectrum, and assessment of outcomes—the Mayo Clinic experience.	Marjara	Jasraj	Mayo Clinic	United States
S22	12:05	Risk of Type B Dissection in Marfan Syndrome: The Cornell Aortic Aneurysm Registry	Narula	Nupoor	Weill Cornell Medical College	United States
S23	12:10	Clinical History and Outcomes of Patients Carrying TGFB2 Gene Variants	Niaz	Talha	Texas Children Hospital	United States
N/A	12:15 - 1:30	LUNCH				
Speaker #	**Session #4**	**Quality of Life Research**				

S24	1:30	Quality of life and VO2 in children and young adults with Marfan and related conditions	Edouard	Thomas	CHU de Toulouse	France
S25	1:45	An online tool to define which school physical activities are safe for each child with Marfan syndrome based on age and gender.	Milleron	Olivier	CNMR Marfan APHP Hopital Bichat Paris	France
S26	2:00	Can 10,000 healthy steps a day slow aortic root dilation in pediatric Marfan patients?	Tierney	Seda	Stanford University	United States
		Poster Highlights			**Speaker**	
S27	2:15	Pilot Study of the Effects of Moderate Intensity Exercise on Children and Young Adults with Marfan Syndrome	Bogardus	Jennifer	Texas Woman's University	United States
S28	2:20	Physical capacity and physical activity in children with Heritable Connective Tissue Disorders (HCTD)	Engelbert1	Raoul	university of applied sciences Amsterdam	Netherlands
S29	2:25	Heritable Connective Tissue Disorders in Childhood: Increased Fatigue, Pain, Disability and Decreased General Health	Warnink-Kavelaars	Jessica	Amsterdam University Medical Centers	Netherlands
N/A	2:30 - 3:00	BREAK				
N/A	3:00 - 5:00	Poster Session A				
N/A	6:00	Boat Cruise				

International Marfan, LDS, and Related Conditions

Wednesday, August 31, 2022

Speaker #	Session #5	New Model Systems, Tech and Therapeutics	Speaker			
S30	8:00	Combination therapy targeting the major angiotensin II receptors prevents thoracic aortic aneurysm formation in Marfan syndrome mice by reversing eNOS uncoupling	Cantalupo	Anna	Icahn School of Medicine at Mount Sinai	United States
S31	8:15	Towards personalised medicine – an iPSC model of Marfan syndrome identifies differential responses to drugs	Davaapil	Hongorzul	Wellcome-MRC Stem Cell Institute	United Kingdom
S32	8:30	Allopurinol Blocks The Formation and Progression of Aortic Aneurysm in a Mouse Model of Marfan Syndrome	Rodríguez-Rovira	Isaac	University of Barcelona School of Medicine and Health Sciences	Spain
S33	8:45	Single-cell RNA sequencing identifies a disease-associated, losartan-sensitive sub-population of cells in the thoracic aorta of Marfan syndrome mice	Sun	Yifei	Icahn School of Medicine at Mount Sinai	United States
S34	9:00	A Novel mouse model of aortic dissection caused by a point mutation in the hybrid domain of the fibrillin-1 gene	Yanagisawa	Hiromi	University of Tsukuba	Japan
		Poster Highlights	**Speaker**			
S35	9:15	iPSC-derived smooth muscle cells modelling Loeys-Dietz syndrome show abnormal phenotype in response to TGF-β	Lo	Franklin	Wellcome-MRC Cambridge Stem Cell Institute	United Kingdom
S36	9:20	Development of a web-based Marfan syndrome mouse aortic root cell atlas to enable rapid gene expression analysis	Pedroza3	Albert	Stanford University	United States
S37	9:25	In Vivo Rabbit Aneurysmal model by Using Tubular Engineering Vessels Derived from Aortic Smooth Muscle Cells from Marfan Syndrome (MFS) patients	Qiu	Ping	University of Michigan	United States
S38	9:30	Pentagalloyl Glucose (PGG) Prevents and Restores Mechanical Changes Caused by Elastic Fiber Fragmentation in the Mouse Ascending Aorta	Wagenseil	Jessica	Washington University	United States
S39	9:35	Angiotensin II receptor blockers demonstrate wide heterogeneity at activating endothelial function in the vasculature: selecting the right ARB - telmisartan – for the Marfan job	Tehrani	Arash	University of British Columbia	Canada
S40	9:40	Losartan in Marfan Syndrome: A Dose and Prodrug Issue?	Sauge	Elodie	University of British Columbia	Canada
N/A	9:45 - 10:15	BREAK				
Speaker #	**Session #6**	**Mechanobiology**	**Speaker**			
S41	10:15	Delineating Mechanisms of Thoracic Aortic Aneurysm and Dissection – Roles of Medial Vulnerability and Adventitial Integrity	Humphrey	Jay	Yale University	United States
S42	10:30	Computational Modeling for the Quantification of Biomechanics Indexes Associated with Adverse Remodeling in Valve Sparing Root Replacement Surgery: The Impact of Graft Stiffness	Nannini	Guido	Politecnico di Milano	Italy
S43	10:45	Insights into the biomechanical integrity of the aorta in mice modelling hereditary aortic diseases	Meienberg	Janine	Swiss Foundation for People with Rare Diseases	Switzerland
		Poster Highlights	**Speaker**			
S44	11:00	In vitro modelling of Marfan related cardiomyopathy points to abnormalities in mechanobiology of the heart muscle cells	Aalders	Jeffrey	Ghent University	Belgium
S45	11:05	GATA4 as a Modulator of Aortic Root Sensitivity to Mechanochemical Disruptions in a Murine Model of Loeys-Dietz Syndrome	Bramel	Emily	Johns Hopkins School of Medicine	United States
S46	11:10	Abnormal contractility and mechanosensing in hypertensive patient iPSC-derived vascular smooth muscle cells bearing a novel heterozygous mutation in the PPP1R12A (myosin phosphatase target subunit 1) gene	Shetty	Deeti	Cambridge Stem Cell Institute	United Kingdom
Speaker #	**Session #7**	**Genotype/PhenoType Correleation**	**Speaker**			
S47	11:15	Pathogenic variants in PLEKHO2 predispose to heritable thoracic aortic disease	Guo	Dongchuan	University of Texas Health Science Center at Houston	United States
S48	11:30	Aortic and vascular involvement in Loeys-Dietz Syndrome. Results from the REPAG registry (Spanish network of genetic aortic diseases).	Teixido Tura2	Gisela	Hospital Vall d'Hebron	Spain

		Poster Highlights	Speaker			
S49	11:45	Pathogenic variants affecting the TB5 domain of fibrillin-1 protein in Marfan syndrome and Geleophysic/Acromicric Dysplasia patients: from tall to short	Arnaud	Pauline	APHP / Inserm U1148	France
S50	11:55	Aortic dissection in TGF-β Related Vasculopathies: Results from the Montalcino Aortic Consortium (MAC)	Ouzounian	Maral	UHN - Toronto General Hospital	Canada
S51	12:00	Aortic versus arterial events in individuals with pathogenic variants in genes encoding proteins in the TGFβ signaling pathway: Findings from the Montalcino Aortic Consortium (MAC)	Velasco Torrez	Walter	University of Texas Health Science Center	United States
S52	12:05	Variable genetic uptake rates in Loeys-Dietz syndrome genes between spontaneous coronary artery dissection patient cohorts	Verstraeten	Aline	University of Antwerp	Belgium
S53	12:10	Clinical Variability in Patients With SMAD3 Aneurysm Osteoarthritis Syndrome	Yetman	Anji	UNMC	United States
N/A	12:15-1:30	LUNCH				
Speaker #	**Session #8**	**Surgical Management**	**Speaker**			
S54	1:30	Predictors of 15-20 year outcomes after T. David Valve-sparing aortic root replacement amongst 577 subjects with specific focus on MFS and LDS patients	Miller	Craig	Stanford University	United States
S55	1:45	Utilization and complications of Thoracic endovascular repair in patients with genetic aortopathy	Nkansah	Reggie	University of Washington	United States
S56	2:00	Prophylactic aortic arch replacement in patients with Loeys-Dietz syndrome: surgical outcomes and molecular rationale	Pedroza	Albert	Stanford University	United States
S57	2:15	Endovascular and Hybrid Repair in Patients with Heritable Thoracic Aortic Disease	Solomon	Julie	Washington University in St. Louis	United States
Speaker #	**Session #9**	**Non-Cardiovascular Research**	**Speaker**			
S58	2:30	Fibrillin-1 regulates white adipose tissue development, homeostasis, and function	Reinhardt2	Dieter	McGill University	Canada
		Poster Highlights	**Speaker**			
S59	2:45	Marfan Syndrome Accelerates Cerebrovascular Aging and Blood-Brain Barrier Permeability	Curry	Tala	University of Arizona College of Medicine-Phoenix	United States
S60	2:50	Obstetric and Neonatal Outcomes in Women with Marfan, Loeys-Dietz and Vascular Ehlers Danlos Syndromes: Results from PROWGAD (Pregnancy and Reproductive Outcomes in Women with Genetic-Predisposition for Aortic Dissection)	Russo2	Melissa	Women & Infants Hospital, Brown Alpert School of Medicine	United States
S61	2:55	Musculoskeletal manifestations of Marfan Syndrome including long bone length and kyphosis are rescued by losartan treatment during adolescent growth in mice.	Sleczka	Urszula	University of Oxford	United Kingdom
S62	3:00	Altered Metabolism in Marfan syndrome Mice Fed on High Fat Diet	Yap	Carmen	Amsterdam Medical Centre (AMC)	Netherlands
N/A	3:05 - 3:15	BREAK				
N/A	3:15 - 5:15	Poster Session B				

GenTAC Aortic Summit

Thursday, September 1, 2022

Time	Topic	Speakers/Moderators	Institution
8:00	GenTAC Welcome, Opening Remarks & Patient Video	Kim Eagle	Michigan University
Session #1	**Familial Aortopathy**	**Moderators: Bart Loeys and Sherene Shalhub**	**University of Antwerp, University of Washington**
8:20	1 - The Current Genetic Library & Likely Prospects	Dianna Milewicz	University of Texas, Houston
8:40	2 - Gene-specific Decision-making Using Imaging	Jonathan Weinsaft	Weill-Cornell Medicine
9:00	3 - Gene-specific Decision-making Using Surgical Cut Points	Scott LeMaire	Baylor College of Medicine
9:20	4 - Gene-specific Management in Pregnancy	Jolien Roos Hesselink	Erasmus MC
Session #2	**Bicuspid Aortic Valve**	**Moderators: Simon Body, Mary Roman**	**Boston University, Weill-Cornell Medicine**
9:40	Introduction and Patient Video	Mary Roman (Moderator)	Weill-Cornell Medicine
9:45	5 - The Search for Genetic Underpinnings	Siddharth Prakash	University of Texas, Houston
10:05	6 - Phenotypic Variations - The Valve	Hector Michelena	Mayo Clinic
10:25	7 - Phenotypic Variations - The Aorta	Arturo Evangelista	Vall d´Hebron Research Institute
10:45	8 - Pediatric Controversies, including exercise and sports	Shaine Morris	Texas Children's Hospital
11:05	BREAK		
Session #3	**Should the Surgical Cut Point for BAV Be the Same or Different as Non-Genetic Aortopathies?**	**Moderators: Alan Braverman, Joseph Coselli**	**Washington University, Baylor College of Medicine**
11:35	9 - Pro Opinion	Joseph Coselli	Baylor College of Medicine
11:45	10 - Con Opinion	Alessandro Della Corte	Second University of Naples
11:55	11 - Debate and Discussion	Moderators & Panelists	
12:15-1:45	LUNCH		
Session #4	**Turner Syndrome**	**Moderator: Michael Silberbach**	**Oregon Health & Science Univeristy**
1:45	Introduction and Patient Video	Michael Silberbach	Oregon Health & Science Univeristy
1:50	12 - Advances in Genetic Understanding	Cheryl Maslen	Oregon Health & Science Univeristy
2:10	13 - Pearls in Managing Patients	Emilio Quezada Liuti	University of California San Francisco
Session #5	**Acute Aortic Syndromes**	**Moderators: Christoph Nienaber, Joseph Bavaria**	**The Royal Brompton Hospital, University of Pennsylvania**
2:30	Introduction and Patient Video	Joseph Bavaria	University of Pennsylvania
2:35	14 - Current Classification Schemes	Sherene Shalhub	University of Washington
2:55	15 - How to Use Biomarkers Acutely & Chronically	Toru Suzuki	University of Leicester
Session #6	**Should We Operate on Ascending Intramural Hematoma?**	**Moderator: Christoph Neinaber**	**The Royal Brompton Hospital**
3:05	16 - Pro Opinion	Maral Ouzounian	University of Toronto
3:15	17 - Con Opinion	Chris Lau	Weill-Cornell Medicine
3:25	18 - Debate and Discussion	Moderator & Panelists	
3:45	COFFEE BREAK		
Session #7	**Should We Stent Stable Type B?**	**Moderator: Santi Trimarchi**	**Ospedale Maggiore Policlinico**
4:15	19 - Pro Opinion	Firas Mussa	Imperial College Healthcare NHS Trust
4:35	20 - Con Opinion	Arturo Evangelista	Vall d´Hebron Research Institute
4:55	21 - Debate and Discussion	Moderator and Panelists	
5:05	Conclusion	Kim Eagle	Michigan University
5:15 - 7:00	**Poster Session and Cocktails**		

GenTAC Aortic Summit Poster Session

September 1, 2022
5:00 p.m. - 7:00 p.m.

Poster #	Title	Last Name	First Name	Institution Name	Country
Poster Topic: Bicuspid Aortic Valve					
P1	Endurance Exercise Following Ascending Thoracic Aortic Aneurysm Resection in Bicuspid Aortic Valve Aortopathy	Braverman	Alan	Washington University School of Medicine	United States
P1A	Familial bicuspid aortic valve and thoracic aortic aneurysm associated with c.221G>A;p.Glu738Lys THSD4 variant.	Debiec	Radoslaw	University of Leicester	United Kingdom
P2	Increased Prevalence of Obesity in Children with Bicuspid Aortic Valve is Associated with Sedentary Behaviors	Holmes	Kathryn	Oregon Health and Science University	United States
P3	Effect of Losartan or Atenolol on Children and Young Adults with Bicuspid Aortic Valve and Dilated Aorta	Lacro	Ronald	Boston Children's Hospital/Harvard Medical School	United States
P4	Aortic tortuosity is related to the aortic phenotype in patients with bicuspid aortic valve	Milleron	Olivier	CNMR Marfan APHP Hopital Bichat Paris	France
P5	Aortic events during pregnancy in women with bicuspid aortic valve and aortic dilatation. A retrospective study.	Milleron	Olivier	CNMR Marfan APHP Hopital Bichat Paris	France
P6	Aortic root anatomy is related to the bicuspid aortic valve phenotype	Milleron	Olivier	CNMR Marfan APHP Hopital Bichat Paris	France
P7	Whole Genome Sequencing and Familial Segregation Analysis Reveal CELSR1 Risk Alleles in Familial Bicuspid Aortic Valve and Hypoplastic Left Heart Syndrome	Niaz	Talha	Mayo Clinic	United States
P8	Concomitant Cardiovascular Malformations in Isolated Bicuspid Aortic Valve Disease: a Retrospective Study and Meta-Analysis	Szöcs	Katalin	University Medical School Hamburg-Eppendorf	Norway
Poster Topic: Genetics					
P9	Role and Yield of Clinical Genetic Testing Among Patients with Bicuspid Aortic Valve and Aortic Dilation Referred to the Cardiovascular Genetics Clinic	Niaz	Talha	Texas Children Hospital	United States
P10	Genome-wide epistasis for cardiovascular severity in Marfan study design: patient organization driven research	Van Den Heuvel	Lotte	University of Antwerp and Ghent, University Hospital Antwerp and Ghent	Belgium
P11	Impact of adding dedicated cardiovascular genetic counseling to a robust aortic disease program at a tertiary care center.	Aatre	Rajani	University of Michigan	United States
P12	Novel Loci Associated with Human Bicuspid Aortic Valve Disease	Body	Simon	Boston University School of Medicine	United States
P13	Auditing genetic testing for aortopathy at the genomics laboratory in Royal Brompton & Harefield Hospital (RBHH)	Ghali	Neeti	Inherited Cardiac Conditions, Royal Brompton and Harefield Hospital	United Kingdom
P14	Yield of genetic testing in individuals with bicuspid aortic valve and thoracic aortic aneurysms and dissections	Rigelsky	Christina	Cleveland Clinic	United States
P15	Clinical and genetic correlates of mitral valve pathology in patients with Heritable Thoracic Aortic Disease: Results from the Montalcino Aortic Consortium	Muiño Mosquera	Laura	Ghent University Hospital	Belgium
Poster Topic: Modeling					
P15	Abstract Proposal for a Future Study: Revisiting the Combination Aortic Dissection Detection Risk Score (ADD-RS) and D-Dimer Algorithm for Acute Aortic Syndrome (AAS) Rule-Out in the Emergency Department	Pena	Robert	George Washington University Hospital	United States

P16	Computational Modeling for the Quantification of Biomechanics Indexes Associated with Adverse Remodeling in Valve Sparing Root Replacement Surgery: The Impact of Graft Stiffness	Nanini	Guido	Polytecnico di Milano	Italy
P17	Novel Methods for Analyzing Long-Term Outcomes for Thoracic Aortic Aneuryms	Solomon	Matthew	Kaiser Permanente	United States
Poster Topic: Surgery					
P18	Stenting of infrarenal aorta along with Bentall's procedure in a case of Acute Stanford Type A Aortic Dissection complicated by renal malperfusion	Chandrasekhar	Anitha	Medanta- The Medicity	India
P19	Open repair of thoracoabdominal aortic aneurysms in Marfan patients	Soletti	Giovanni Jr	Weill Cornell Medicine	United States
Poster Topic: Novel Research Studies					
P20	Covid-19 and Aortic Dissection- A lethal combination	Chandrasekhar	Anitha	Medanta- The Medicity	India
P21	EMILIN-1 (Elastin-Microfibril-Interface-Located-protein-1) is associated with aortic aneurysm.	Holmes	Kathryn	Oregon Health and Science University	United States
P22	Research priorities among patients with syndromic heritable aortopathies with and at risk for aortic dissection	Shalhub	Sherene	University of Washington	United States