Engaging Patients with Aortic Dissections as Partners in Patient Centered Outcomes Research

Research Priorities of the Aortic Dissection Community A Report to the Community

AORTIC DISSECTION COLLABORATIVE

For Patient-Centered Research

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5/20/2022



Welcome!

• All lines are muted, due to the large number of participants

• The chat is open for questions or discussion

• This presentation will be made available on our website after today's session (ADCollaborative.org)

Disclosures

- Research support from the Patient-Centered Outcomes Research Institute (PCORI)
- Advisory boards for the Ehlers-Danlos Society and Marfan Foundation



ABOUT US

https://www.pcori.org/

RESEARCH & RESULTS TOPICS ENGAGEMENT FUNDING OPPORTUNITIES

Established by the 2010 Patient Protection and Affordable Care Act

CONTACT

A government-sponsored 501(c)organization charged with investigating the relative effectiveness of various medical treatments

Funds Comparative clinical effectiveness research (CER) that engages patients and other stakeholders throughout the research process

Improving Outcomes Important to Patients

PCORI funds studies that can help patients and those who care for them make better-informed healthcare choices. SUBSCRIBE CAREERS

MEETINGS & EVENTS



Bridging the Gap Engaging Patients as Research Partners

Patients with aortic dissections face dramatically different options for care without strong evidence for the long-term consequences of those options at an individual level





AorticDissectionCollaborative.org 08/01/2019-05/31/2022 States ADCollab

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Engaging Patients with or at risk for Aortic Dissection as Partners in Patient Centered Outcomes Research





By leveraging existing networks to reach the aortic dissection (AD) community through online patient support networks and advocacy and professional

To *Create* and sustain a collaborative network of diverse stakeholders, individuals, and organizations



to *understand* patient research needs

and *determine the research methods* best suited to answer the relevant questions

























The Ehlers-Danlos Society.

Genetic Aortic Disorders Association Canada

L'Association Canadienne des Maladies Génétiques de l'Aorte





Loeys-Dietza













Charging forward. Saving lives.



AorticDissectionCollaborative.org ADCollab

Engagement Strategy



AORTIC DISSECTION COLLABORATIVE For Patient-Centered Research	Virtual Research Network (VRN) 1000+ people		
Collaborative Structure	Stakeholder Group 90+ people		Jent
	Advisory Group	 Oversee strategic planning Guide survey and interviews development, conduct, and analysis, and participate in manuscript and presentation development 	me Commitr
			≓i ───







The goals of engagement work



Aortic Dissection Collaborative for Patient-Centered Research

Take our Community Survey

Patients with aortic dissection face dramatically different options for care without strong evidence for the long-term consequences of those options at an individual level. What is absent in the decisionmaking process in this complex landscape is the patient's voice. AORTIC DISSECTION

For Patient-Centered Research

Providing opportunities for patient involvement will help ensure the patient voice is well represented in research related to aortic dissection.

Surveys closed on 9/30/2020

The Aortic Dissection Collaborative is currently gathering perspectives of those affected by aortic dissection, and we need your help!

The Aortic Dissection Collaborative currently has two opportunities for you to provide input on your experiences with aortic dissection:

The COVID-19 Survey explores healthcare for aortic dissection during the COVID-19 pandemic.
 Who is eligible to take this survey? People with or at risk for aortic dissection; family members/care partners of those with or at risk for aortic dissection; and care providers for those with or at risk for aortic dissection. All participants must be over the age of 18.





Aortic Dissection Collaborative Reports to the Community

For Patient-Centered Research

May 15, 2021 Final survey results from the aortic dissection community about healthcare experiences, challenges, and information sources

View the presentation - closed captioning available Read the presentation transcript Read the summary of the Q&A/discussion session following the presentation

Engaging Patients with Aortic Dissections as Partners in Patient Centered Outcomes Research

Experiences of the Aortic Dissection Community A Report to the Community



April 7, 2021 Results of interviews with the aortic dissection community about the effects of the COVID-19 pandemic on their healthcare

(click the image below to view)

Engaging Patients with Aortic Dissections as Partners in Patient Centered Outcomes Research

Experiences of the Aortic Dissection Community During the COVID-19 Pandemic A Report to the Community



Community-Identified Research Priorities

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STEP 1: First community survey

People living with Aortic Dissection STEP 2: Second community survey & interviews

People living w/ or at risk for Aortic Dissection & caregivers STEP 3: Topic working groups

Patients, advocates, clinicians, researchers identify evidence gaps and recommend research questions for Comparative Effectiveness Research STEP 4: Research Prioritization Survey

<u>Sharing results</u> <u>today!</u>



What is the most frustrating aspect of the aortic dissection diagnosis? Please check all that apply

Fear of death due to another acute dissection or rupture Fear of needing another surgery, and/or the possibility... Mental health (example fear, depression, anxiety) Care providers not knowledgeable about aortic... Decision-making (having to make decisions that may... Emergency rooms unfamiliar with a ortic dissection Work, relationship, or lifestyle strain No cure or treatment available Financial strain (for example medical bills, insurance...

Not enough research about the condition

Access to ongoing support and information

Inability to get information quickly (example having to...

No in-person support group in my area

30

40

50

60

70

20

0

10

Percent of responses



Which of these questions about aortic dissection are important to you? Please check all that apply

Surgery

Genetics

Knowing what my blood pressure goal should be

Knowing how often I need screening

Knowing the most effective medicines to take Understanding the best way to manage my condition

Effectivness of new surgical techniques (e.g. stent procedures)

What is the best type of surgery for my aorta

Knowing when I need surgery for my aorta

Knowing if genetic testing would help me manage my health

Follow-up and screening for family members

Percent of responses



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COVID-19 Enhancement Award:

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- Lack of clear guidance about how aortic health status contributes to COVID-19 risk; adopting protective behaviors is both a risk- and anxiety-reduction strategy in this context.
- The pandemic increased the complexity/burden of navigating an already complex healthcare environment for people with/at risk for Aortic Dissection
- **Telehealth** is a critical component of how the AD community is navigating access to care during the COVID-19 pandemic, but not all telehealth is effective care



Key Research Topics



Executive Summary of the Aortic Dissection (AD) Collaborative

Sherene Shalhub^{*}, for the Aortic Dissection Collaborative[#]

Division of Vascular Surgery, Department of Surgery, University of Washington School of Medicine; 1959 N.E. Paci Street, Box 356410, Seattle, WA 98195, United States

The Aortic Dissection Collaborative: Methods for building capacity for patient-centered outcomes research in the aortic dissection community

Jenney R. Lee^a, Sarah O. Lawrence^b, Michael Soto^b, Melanie Case^c, Novelett Cotter^c, Jake Howitt^c, Timo Soderlund^c, Debra Trotter^c, Peter H. Byers^d, Sherene Shalhub^{e,*}, on behalf of the Aortic Dissection Collaborative[#]

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^b Surgical Outcomes Research Center, Department of Surgery, University of Washington, Seattle, WA ^c Aortic Dissection Collaborative Advisory Group, Seattle, WA

^d Division of Medical Genetics, Department of Medicine, University of Washington, Seattle, WA ^e Division of Vascular Surgery, Department of Surgery, University of Washington, Seattle, WA

Lived experiences of people with or at risk for aortic dissection: A qualitative assessment

Jenney R. Lee^{a,*}, Courtney Segal^b, Jake Howitt^c, Melanie Case^c, Novelett Cotter^c, Timo Soderlund^c, Debra Trotter^c, Sarah O. Lawrence^d, Sherene Shalhub^e, on behalf of the Aortic Dissection Collaborative[#]





Seminars in ASCULAR SURGERY

Caitlin W. Hicks MD, MS Editor

Experiences Engaging Stakeholders in Setting Research Priorities for Aortic Dissection

Sherene Shalhub, MD, MPH

https://www.sciencedirect.com/journal/seminars-in-vascular-surgery/vol/35/issue/1

Surgery Firas Mussa Akiko Tanaka

Tabea Hoffstaetter Avery Trudell Akili Smith-Washington Richard Goldenberg Takeyoshi Ota

George Arnaoutakis Sherene Sreek Vemulapalli Lurdes del Río Solá

Education Rebecca Gluck Karen Woo Gareth Owens Deb Trotter Jacob Watson Timo Söderlund Eileen Masciale Sarah Lawrence Lindsey Rusche Meredith O'Neal Mark Ajalat Earl Goldsborough Dejah Judelson Marvin Chau Medication Melanie Case Eva Kline-Rogers Jenney Lee Kim Eagle Myra Ahmad Julie Pham Rob Pena Siddarth Prakash

Marion Hofmann Bowman (pending) Hoffman scheduler

> Telemedicine Katie Wright Laura Drudi

Sarah Lawrence Novelett Cotter Thamanna Nishath Xiaoyi Teng Chris Burke Jeniann Yi

Genetics Peter Byers Dianna Milewicz Jesse Teindl Jake Howitt Sarah Lawrence Madeline Drake Chrisanne Campos Milewicz scheduler

Alana Cecchi Scott Damrauer Jonny Medina

Pregnancy Rana Afifi

Carmen David Jenney Lee Melissa Russo L'Oreal Kennedy Catherine Albright Christeen Samuel Mattie Boehler-Tatman Aaron Roberts Mental Health Harleen Sandhu Gretchen McCarrick Mario D'Oria Jake Howitt Jenney Lee Max Wohlauer Ella Taubenfeld Maisoon Yousif

Asaf Rabin Nicole Ilonzo Jacob Budtz-Lilly Claudine Henoud



Working Groups Charge

- 1. Conduct landscape review in topic area
 - a) What research or initiatives have been conducted in this area?
- 2. Identify gaps and opportunities
 - a) What questions still haven't been answered?
 - b) What could be completed in the more immediate term, with fewer resources?
 - c) What lends itself to a comparative effectiveness research trial and/or will require more resources to complete?



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Research topic prioritization working group timeline



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An assessment of the current medical management of thoracic aortic disease: A patient-centered scoping literature review

Robert C.F. Pena^{a,*}, Marion A. Hofmann Bowman^b, Myra Ahmad^c, Julie Pham^c, Eva Kline-Rogers^d, Melanie J. Case^e, Jenney Lee^c, Kim Eagle^d on behalf of the Aortic Dissection Collaborative[#]

Knowledge gaps in surgical management for aortic dissection

Akiko Tanaka^{a,*}, Avery M. Hebert^b, Akili Smith-Washington^b, Tabea Hoffstaetter^c, Richard Goldenberg^d, Sreekanth Vemulapalli^e, Lourdes del Río-Solá^f, George J. Arnaoutakis^g, Firas Mussa^h, Takeyoshi Otaⁱ, on behalf of the Aortic Dissection Collaborative[#]

Implementation of telemedicine in the care of patients with aortic dissection

Thamanna Nishath^a, Katie Wright^{b,c}, Christopher R. Burke^d, Xiaoyi Teng Novelett Cotter^c, Jeniann A. Yi^f, Laura M. Drudi^{g,h,*}, on behalf of the Aor Dissection Collaborative[#]



For Patient-Centered Research

The mental health impact of aortic dissection

Nicole Ilonzo^{*a,b*}, Ella Taubenfeld^{*b,c*}, Maisoon D. Yousif^{*b,d*}, Claudine Henoud^{*b,e*}, Jake Howitt^{*b*}, Max Wohlauer^{*b,f*}, Mario D'Oria^{*b,g*}, Gretchen MacCarrick^{*b,h,**}, for the Aortic Dissection Collaborative[#]

Current state and future directions of genomic medicine in aortic dissection: A path to prevention and personalized care

Alana C. Cecchi^{a,*}, Madeline Drake^b, Chrisanne Campos^c, Jake Howitt^d, Jonathan Medina^e, Scott M. Damrauer^{f,g}, Sherene Shalhub^h, Dianna M. Milewicz^a, on behalf of the Aortic Dissection Collaborative[#]

Aortic dissection in pregnancy and the postpartum period

Melissa Russo^a, Mattie Boehler-Tatman^b, Catherine Albright^c, Carmen David^d, L'Oreal Kennedy^e, Aaron W. Roberts^f, Sherene Shalhub^g, Rana Afifi^{h,*}, on behalf of the Aortic Dissection Collaborative[#]

Stakeholder perspectives on education in aortic dissection

Stephanie D. Talutis^a, Jacob Watson^b, Earl Goldsborough III^c, Eileen Masciale^d, Karen Woo^{a,*}, on behalf of the Aortic Dissection Collaborative[#]



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Research Priorities Survey



Research Priorities Survey

For Patient-Centered Research

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From your perspective, which of the following research topics matter most? Please rank each of these topics in order of their importance to you. **Drag and drop each item to list them in order of importance, with the most important at the top and least important at the bottom**.

Does having genetic testing improve the health or healthcare of people with/at risk for aortic dissection?

Would having the right educational resources about aortic dissection for patients and family members improve the health or healthcare of people with/at risk for aortic dissection?

Would having the right educational resources about aortic dissection for doctors (e.g., primary care or emergency doctors) improve the health or healthcare of people with/at risk for aortic dissection?

What kind/how much exercise is safe and beneficial for people with/at risk for aortic dissection?

For someone with an aortic dissection, when is the right time to have surgery and when is it okay to wait?

Which medications are best for treating chronic aortic dissection?

Would using telehealth visits for certain doctor's appointments improve the health or healthcare of people with/at risk for aortic dissection?

What kind of mental health supports (e.g., peer support group, therapy) are most useful for people with/at risk for aortic dissection?

Is there another research topic that is most important to you?

November 2021 - February 2022

12:29 al 🔳 you. Drag and drop each item to list them in order of importance, with the most important at the top and least important at the bottom. Does having genetic testing improve the health or healthcare of people with/at risk for aortic dissection? Would having the right educational resources about aortic dissection for patients and family members improve the health or healthcare of people with/at risk for aortic dissection? Would having the right educational resources about aortic dissection for doctors (e.g., primary care or emergency doctors) improve the health or healthcare of people with/at risk for aortic dissection? What kind/how much exercise is safe and beneficial for people with/at risk for aortic dissection? For someone with an aortic dissection, when is the right time to have surgery and when is it okay to wait? Which medications are best for treating chronic aortic dissection? Would using telehealth visits for

vould using telenealth visits for certain doctor's appointments improve the health or healthcare of people with/at risk for aortic

States	N=910	%
MI	356	39.1
CA	56	6.2
ТХ	51	5.6
FL	32	3.5
NY	32	3.5
ОН	29	3.2
NC	26	2.9
WA	26	2.9

Countries	N=200	%
Canada	78	39.0
United Kingdom	36	18.0
Australia	12	6.0
Germany	10	5.0
New Zealand	7	3.5
France	6	3.0
Ireland	6	3.0
Sweden	6	3.0
Italy	5	2.5
Spain	5	2.5



Research priorities by mean score















Next Steps



Patient-centered research proposals & projects



Next Steps: Sustainability

Patient-centered research proposals & projects







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