

Agenda

Welcome Intros and check-in Dr. Heather Gornik/All

FMDSA Updates Pamela Mace, RN

Research headlines/updates Dr. Heather Gornik

COVID-19 and FMD/SCAD Dr. Heather Gornik

Ask the ID Specialist Dr. Keith Armitage, ID Division,

Department of Medicine, University

Hospitals

Moderated Q and A All

Adjourn



Introductions and Check-in, Polls!

Updates from the FMDSA

Pamela Mace, RN



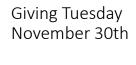
The Fibromuscular Dysplasia Society of America



Pamela Mace, RN Executive Director 216-834-2410



Cleveland Marathon Races October 23rd and 24th, 2021



Follow the FMDSA Facebook page from 8am-8pm ET on Giving Tuesday. We will be hosting our annual silent auction! Stay tuned for more exciting details.



The world's biggest day of generosity

Giving Tuesday is an important day for FMDSA. We depend on your generosity to help sustain our mission and fund the patient registry. While your financial support is important there are so many ways to be generous on Giving Tuesday.

Join the generosity movement and share your plans with us. Some ideas for generosity are simple such as creating a Giving Tuesday Facebook fundraiser, liking our Facebook page and sharing it, volunteering your skills, being an FMD patient advocate, follow us on Instagram and Twitter, host a FMDSA fundraiser at a local restaurant.









Research Headlines

Heather L . Gornik, MD



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From the News Headlines- USPSTF

USPSTF = US Preventive Services Taskforce

Draft Recommendation Statement

Aspirin Use to Prevent Cardiovascular Disease: Preventive Medication

Recommendations made by the USPSTF are independent of the U.S. government. They should not be construed as an official position of the Agency for Healthcare Research and Quality or the U.S. Department of Health and Human Services.

This document is available for Public Comments until Nov 08, 2021 11:59 PM EDT

n an effort to maintain a high level of transparency in our methods, we open our Draft Recommendation Statement to a public comment period before we publish the final version. Leave a Comment >>

This topic is being updated. Please use the link(s) below to see the latest documents available. Update in Progress for Aspirin Use to Prevent Cardiovascular Disease: Preventive Medication



US UPSTF Taskforce NOT for Patients with FMD/SCAD

- This DOES NOT apply to patients with cardiovascular disease
- This DOES NOT apply to patients with FMD or SCAD who need aspirin to prevent TIA/stroke, recurrent heart attack, embolism
- Please DO NOT stop your aspirin or other anti platelet medication
- Please do discuss your concerns with your doctor



From 2019 International FMD Consensus

In the absence of contraindication, antiplatelet therapy (i.e., aspirin 75-100 mg daily) is reasonable for patients with FMD to prevent thrombotic and thromboembolic complications.

First International Consensus on the diagnosis and management of fibromuscular dysplasia

Heather L Gornik", Alexandre Persu*,
David Adlam", Lucas S Apariclo', Michel Azizik-2*,
Marion Boulanger', Rosa Maria Bruno', Peter de Leeuw',
Natalia Fendrikova-Mahlay', James Froshikch', Santhi K Ganesh'l,
Bruce H Gray', Cathila Jamisson', Andrez Januszewicz',
Xavier Jeunemaltra'-1", Daniella Kadlan-Dodov'l, Esther SH Kim'a',
Jason C Kovacic', Pamela Marcel, Alberto Morganti', Aditya
Daricia van Gray', Cathila Jamisson', Andrez Januszewicz',
Scott Wijson's Jignang Wunga', and Peter-Francis Plusin's Aditya
Daricia van Gray Olin'' and Pierre-Francis Plusin's Aditya
Daricia van Gray Olin'' and Pierre-Francis Plusin's Aditya
On behalf of the Working Group 'Hypertension and the Kidney' of
the European Society of Hypertension (ESH) and the Society for
Vascular Medicine (SVM)



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BRIEF COMMUNICATION

Association of Fibromuscular Dysplasia and Pulsatile Tinnitus: A Report of the US Registry for Fibromuscular Dysplasia

Andrew B. Dicks, MD; Heather L. Gornik, MD; Xiaokui Gu, MA; J. Michael Bacharach, MD; Natalia Fendrikova Mahlay, MD; James B. Froehlich, MD; Kamal Gupta , MD; Bruce H. Gray , DO; Esther S. H. Kim , MD; Redah Mahmood, MD; Aditya M. Sharma, MD; Bryan J. Wells, MD; Jeffrey W. Olin , DO; Ido Weinberg , MD

BACKGROUND: Fibromuscular dysplasia (FMD) is a nonatherosclerotic arterial disease that has a variable presentation including pulsatile tinnitus (PT). The frequency and characteristics of PT in FMD are not well understood. The objective of this study was to evaluate the frequency of PT in FMD and compare characteristics between patients with and without PT.

METHODS AND RESULTS: Data were queried from the US Registry for FMD from 2009 to 2020. The primary outcomes were frequency of PT among the FMD population and prevalence of baseline characteristics, signs/symptoms, and vascular bed involvement in patients with and without PT. Of 2613 patients with FMD who were included in the analysis, 972 (37:28) reported PT. Univariable analysis and multivariable logistic regression were performed to explore factors associated with PT. Compared with those without PT, patients with PT were more likely to have involvement of the extracranial carotid artery (90.0% versus 78.6%; odds ratio, 149; P=0.005) and to have higher prevalence of other neurovascular signs/symptoms including headache (82.5% versus 62.7%; odds ratio, 1.82; P=0.001), dizziness (44.9% versus 22.9%; odds ratio, 2.01; P=0.001), and cervical bruit (37.5% versus 15.8%; odds ratio, 2.73; P=0.001) compared with those without PT.

CONCLUSIONS: PT is common among patients with FMD. Patients with FMD who present with PT have higher rates of neurovascular signs/symptoms, cervical bruit, and involvement of the extracranial carolid arteries. The coexistence of the 2 conditions should be recognized, and providers who evaluate patients with PT should be aware of FMD as a potential cause.

Key Words: cerebrovascular dissection ■ fibromuscular dysplasia ■ pulsatile tinnitus ■ vasculopathy



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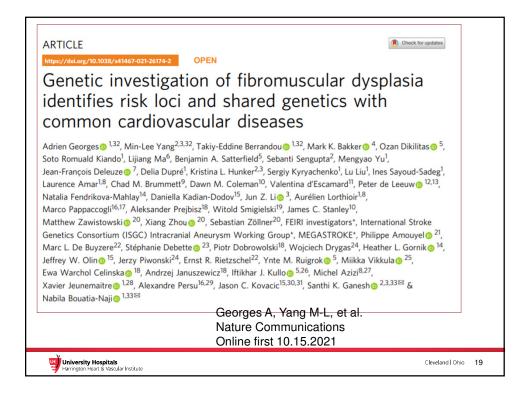
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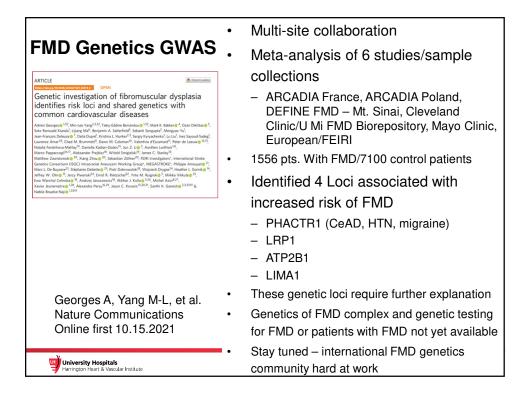
Key Words: cerebrovascular dissection ■ fibromuscular dysplasia ■ pulsatile tinnitus ■ vasculopathy

- New data from US Registry for FMD
- 37% of patients in the Registry have pulsatile tinnitus ("the swoosh") as a presenting symptoms of FMD
- Presence of PT associated with carotid/vertebral FMD, headache, neck pain, dizziness, cervical bruit
- · Not associated with stroke
- www.whooshers.com



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FMD/SCAD and COVID-19

Heather Gornik, MD



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FMD and COVID-19: Message from Drs. Olin and Gornik

- We are unaware of any direct connection between FMD and the likelihood of becoming infected with COVID-19 or having a poor outcome should you become infected.
- There is an association of COVID-19 and clotting. This has received much attention in the media. Some of these stories have focused on clots forming in different organs of the body including the kidneys and brain.
- The type of clotting seen in the setting of COVID-19 infection generally, involves one of the following:
 - Deep vein thrombosis (DVT) clot in leg or arm veins
 - Pulmonary Embolism (PE) clot breaks loose from legs or arms and is trapped in the lungs. A PE can cause worsening shortness of breath and low oxygen levels.
 - In the sickest patients who are on a ventilator, clots can form in the lung itself and this is referred to as **microthrombosis**.



From Drs. Olin and Gornik – COVID-19 and Clotting

- Most of the clotting in COVID-19 occurs in sicker patients who are hospitalized or in the ICU on a ventilator
- Hospitals (including UH) have protocols place for patients admitted to the hospital with COVID-19 infection to assess for risk of clotting and to treat with preventive blood thinning medications as appropriate.
- Clotting in an artery and strokes are much less common in COVID-19. To our knowledge, this is not associated with FMD/SCAD and we have not seen this in our FMD/SCAD practice.
- There is a condition called VITT (Vaccine-Induced Immune Thrombotic Thrombocytopenia) which is rare and can cause blood clots after vaccines with low PLT counts
 - There is no known association of FMD/SCAD and VITT



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COVID-19 Vaccine: Message from Drs. Gornik and Olin

- We were asked by Pam Mace and the FMDSA to comment on the COVID-19 vaccines and respond to some questions regarding the vaccine FMDSA has received.
- Please know, we have both taken the vaccine and recommend the same for our patients according to the mostrecent guidance provided by the Centers for Disease Control and Prevention.
- To our knowledge, there are no special considerations for taking the COVID-19 vaccine for patients with FMD, but as always, if you have specific questions about your situation, please contact your primary care provider or FMD specialist.

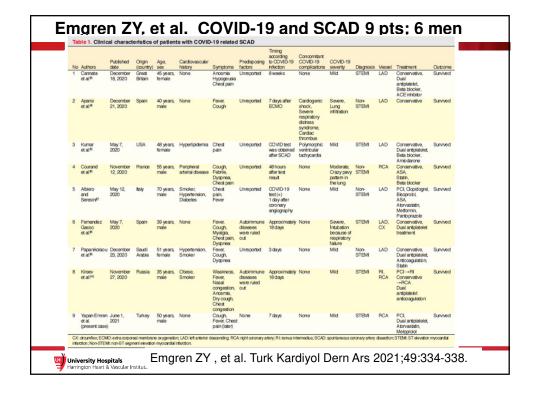


https://www.cdc.gov/coronavirus

COVID-19 and SCAD

- It is unlikely that COVID-19 causes dissections or aneurysms in arteries. This is not the type of abnormal clotting that occurs in patients.
- Case report of 55 year-old man admitted to the hospital very ill with COVID-19 who
 developed subsequent SCAD. He had atherosclerotic disease. (June, 2020)
 - I think this is a different process than FMD/primary SCAD
- Case report of a 48 year-old woman with hx of migraines with chest pain and dx of LAD artery SCAD. No symptoms but COVID-19 swab + prior to heart cath. (April, 2020)
 - My take: typical SCAD + incidental dx of asymptomatic COVID-19 infection
- Case report of a 51 year-old woman with history of HTN admitted with COVID-19 infection requiring oxygen, steroids, anti-viratl Rx. Developed chest pain, ST-segment elevation hospital day #3 after intense cough. Cath with LAD SCAD treated conservatively.
 - My take: COVID-19 infection, coughing fit induced SCAD





Ask the Infectious Disease Expert Anything About COVID-19 and Vaccines

Dr. Keith Armitage
Professor of Medicine (Infectious
Disease)
Vice Chairman, Education
Internal Medicine Residency
Program Director
University Hospitals





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Save the Date

Next date is January 18, 2021 Topic: t/b/d

University Hospitals
Harrington Heart & Vascular Institute