

ARCADIA



Atrial Cardiopathy and Antithrombotic Drugs In Prevention After Cryptogenic Stroke

Next Webinar: Sept. 28, 2021 AT 2 PM ET/1 PM CT/12 MT/11 AM PT

Mark you calendar for next month's webinar!

MILESTONES

Congratulations to NYU Langone Hospital Brooklyn for randomizing the 700th subject!

Randomized = 717

July Randomizations = 21

Consents = 2674

July Consents = 60

FUN THINGS TO DO AT THE END OF THE SUMMER!

Go swimming.

Check in with your ARCADIA patients to make sure they are well!

Have a nice cool drink on the porch in the evening.

Make sure all your investigators are up to date with NIH Stroke Scale certifications!

Take a nice long summer afternoon nap.

Clean up outstanding ARCADIA data queries!

Go for a long bike ride.

Randomize an ARCADIA patient!

Eat a lobster roll!



ARCADIA Heroes

University of Minnesota Team



Many thanks to the Team at University of Minnesota for taking the transfer of 11 subjects as the transferring site is dealing with loss of coordinators and needed to pause to reorganize.

We recognize the amount of work that this transfer has generated and greatly appreciate your dedication to the ARCADIA study and continuing these subjects' participation.

Your work does not go unnoticed!

SPOTLIGHT ON SITES

July Top Consenting Site

Hartford Hospital, CT

3 Consents!

July Top Randomizing Sites

2 Randomizations each site!

Buffalo General Medical Center, NY

NYU Langone Hospital Brooklyn, NY

UVA Medical Center, VA

Sites with First Randomizations - July 2021

Cox Medical Center South, MO

Lahey Hospital & Medical Center, MA

West Los Angeles VA, CA

Allegheny General Hospital, PA

Welcome Aboard!

Stroke Prevention & Atherosclerosis Research Centre, London, ON, Canada

Kelowna General Hospital, Kelowna, BC, Canada

Science Corner

Objectively measured physical activity and risk of atrial fibrillation

Physical activity may be modifiable risk factor for atrial fibrillation (AF), but associations have mostly been based on self-reported physical activity levels. In an attempt to address whether more objectively measured levels of activity are associated with risk of AF, investigators recently analyzed 93,669 participants in the UK Biobank prospective co-hort study without history of AF who wore a wrist-based accelerometer for 1 week to assess physical activity levels, and they followed the participants for both AF and stroke as outcomes. The mean age of study participants was 62 ± 8 years and 57% were women. Over a median of 5.2 years, 2338 incident AF events occurred. After adjusting for age, sex, and risk factors for AF, those whose activity was at least 150 minutes per week of moderate to vigorous activity (consistent with American Heart Association guidelines for primary prevention) had an 18% lower risk of AF (hazard ratio (HR) 0.82, 95% CI 0.75–0.89) and a 24% lower risk of stroke (HR 0.76, 95% CI 0.64–0.90). Of note, there was only a weak correlation between physical activity levels determined from accelerometers and self-report (Spearman r = 0.16), and self-reported activity was *not* associated with incident AF or stroke. The authors concluded that accelerometer-derived measures of physical activity are associated with lower risks of AF and stroke, and that future studies may want to use objective measures of activity.

Implications for ARCADIA (and a message for our patients): While we don't know whether physical activity is similarly associated with atrial cardiopathy in the absence of atrial fibrillation, it is likely that it is, and it is likely that physical activity among patients with ESUS and atrial cardiopathy would reduce their risk of stroke, AF and other adverse events. The AHA, US Department of Health and Human Services (and other international societies) recommend at least 150 minutes weekly of moderate or more vigorous aerobic physical activity. But what is "moderate physical activity"? One way to think about it is anything that gets your heart rate up! Technically, it means activities that are 3-6 METs (metabolic equivalents of task). In simple terms, this includes walking briskly (2.5 to 4 mph), play-



ing doubles tennis, biking, or even raking the yard. An easy suggestion is to have patients take a thirty minute brisk walk 5 times weekly. It is also good idea to mix up strength training with aerobic training to maximize benefits. Despite all the known benefits of exercise, only about 20% of adults get adequate physical activity: let's make sure we encourage our ARCADIA patients to get active!

References:

¹Khurshid S, Weng LC, Al-Alusi MA, Halford JL, Haimovich JS, Benjamin EJ, Trinquart L, Ellinor PT, McManus DD, Lubitz SA. Accelerometer-derived physical activity and risk of atrial fibrillation. Eur Heart J. 2021 Jul 1;42(25):2472-2483.

²U.S. Department of Health and Human Services. Physical Activity Guidelines for Americans, 2nd edition. Washington, DC: U.S. Department of Health and Human Services; 2018.

Reminder from WebDCU Team

Form 126 (End of Study) - PI Review/Signature

- GCP Guidelines state: "The investigator should ensure the accuracy, completeness, legibility and timeliness of the data reported to the sponsor in the CRFs and in all required reports."
- Updated guidance says, "To comply with the requirement of maintain accurate case histories clinical investigator(s) should review and electronically sign the completed eCRF for each subject before the data are archived or submitted".
- So, compliance with the guidance would either be for a physical (wet ink) sign off of the CRF (for instance a free standing CRF Pl's statement page, i.e. Form 126 or an electronic signature (which Web-DCU does not currently have).
- Therefore, our current requirement for all WebDCU studies is that the site PI prints F126 and signs with a physical (wet ink) signature. No note-to-files are allowed.

Just For Fun! ARCADIA Inclusion/Exclusion Criteria Word Search

TVPYKGDABLETORANDOMIZEOOGSMQPS TLEISGWHHHGSVITEANEMIAIHFLBECN CIEYSYRINNROTQKSZCQJMWHKBQVHOW XCUOMAPSASENBAZUICYQHFLTRPWYYK MAIWOXFTZBVEDZHSQYPGOOIKZVLPRE BRFYDTXOVANIDFVVNXBVIYZNTNWECL LDYMICLRAFPTAFRCWCSQDBYACVVRPE EIOIFAJYKIRTPVOASWKENALCFIGCDV EAGXIUIOUBMQLECRIGTLOXREGKFOOA DCEEEIQFBDEGOUBAAQHYTHWQEFCAET IREUDDPIJMTVDEYKPNQMAZDBYDHGCE NHPARTICIPANTINANOTHERSTUDYUGD GYFYAOCHIBLEFTVENTRICULAREFLNC HTVCNVNIHSSKDLFXIIDYCNZHSUWABR I H Y E K L Q O V Q W U X Q D W H E Q U E O X K U Y C B R E S M N M I P B H Y I Q C C V V V O P R O W Z A H B Y W I T A TMUKNOWNAPIXABANALLERGYGXFVLIT OOAJNTATRIALMYXOMAUFQHKXUFBIII RNBLACUNARSTROKEXGKCUBFQYLXTRN YISKSOODFFJJRGVARECJOKYOJVAYUI XTOEIFFLYIITIYAENDOCARDITISNHN MOJHOLIBRPKQRQYBCETLAXCDWFWSTE ARUNABLETOOBTAINCONSENTRNNYVKX DIIDZXNQNIWUFGFHTNTPROBNPIVEPQ H N O U F R Y K Y E V R N U M X V K B K Q N G N M F C C H T EGFOGVSHPQEJJMXOJGMDDVUXUARHMI D L P A T U K R S T H R O M B O C Y T O P E N I A K R O A M OQYMECHANICALVALVEXTPDYCNIUBKI WUOIGMKZFDCUXNNJJBQDLILNUMPOMJ RYWRTIKBIVYANTIPLATELETNEEDEDS

July's Crossword Puzzle **Answers**

ACROSS

- 2. Arcadian
- 3. Conmeds
- 7. NTproBNP
- 8. Quarantine
- 9. Check the EMR
- 12. Prohibited Medication
- 13. WebDCU
- 14. UAE Report
- 16. Seven
- 18. Randomization

DOWN

- 1. Wallet Card
- 4. eConsent
- 5. Atrial Fibrillation
- 6. Rebeca and Pam
- 10. Event Packet
- 11. Apixaban
- 15. Webinar
- **17. DICOM**

WORD LIST

BLEEDING HISTORY

THROMBOCYTOPENIA	GI BLEED	MODIFIED RANKIN	
UNABLE TO OBTAIN CONSENT	ESUS	LACUNAR STROKE	
CARDIAC RHYTHM MONITORING	ЕСНО	ATRIAL MYXOMA	
NEED FOR ANTICOAGULANT	NIHSS	ABLE TO RANDOMIZE	
KNOWN APIXABAN ALLERGY	AFIB	HYPERCOAGULABILITY	
ELEVATED CREATININE	NTPROBNP	HISTORY OF ICH	
LEFT VENTRICULAR EF	ANEMIA	MECHANICAL VALVE	
ANTIPLATELET NEEDED	ECG	ENDOCARDITIS	

PARTICIPANT IN ANOTHER STUDY

ARCADIA Contacts

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24/7 Hotline: (833) 427-2234 if unable to reach please call (206) 535-1229 For an emergency that requires knowing whether patient is taking apixaban (Eliquis) or aspirin

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Greek Culture Corner "Who is the Greek god of fire?"

This year has been a tragic year for wildfires, and—sadly--a potential harbinger of future devastation. The Western US has been in a drought that has contributed to several large wildfires this summer, threatening enormous swaths of California, Oregon, Colorado and other Western states. Fires have also affected parts of Europe, including the Greek islands and the Peloponnese (where the original paradisiacal Arcadia was located). In this context, we wondered who the original Greek god of fire was?

Some say Hephaestus was the god of fire. According to myth, Hephaestus, who was born lame, was cast out in disgust by his goddess mother, Hera. His father was Zeus. He was a blacksmith and craftsman, and he forged weapons for the gods, including the winged helmet and sandals worn by Hermes. He also made armor for certain privileged mortals, including Achilles. As god of fire, he was the patron of craftsmen everywhere; his workshop used natural volcanic fires.

Not be left out, Hestia, the goddess of the hearth, may also be considered a goddess of fire. When the gods Apollo and Poseidon both sought her hand in marriage she swore to remain a maiden forever, whereupon Zeus gave her the honor of presiding over all sacrifices. While these honors may reflect her importance in family life more generally—the hearth being the symbol of the home—fire is of course central to the hearth.



Still others cite Prometheus, a Titan, as a god of fire. At the very least, Prometheus was responsible for stealing fire from the gods and giving fire to humankind, thereby starting civilization. While the gods may not have appreciated this, Prometheus is generally considered a champion of humanity, allowing the flourishing of the arts and sciences. He paid a price, of course: Prometheus' eternal torment was to be bound to a rock to have his liver (the seat of human emotions to ancient Greeks) eaten daily, repeatedly, by an eagle. Presumably this would have continued to this day if not for Heracles' freeing him. Ultimately, Prometheus has come to represent human striving and the quest for scientific knowledge, including its unintended negative consequences. Climate change, and its resultant forest fires, may be considered a perfect example of this, given its now virtually certain origins in human industrialization.

The Torture of Prometheus, painting by Salvator Rosa (1646–1648).