

CURRICULUM VITAE

Faisal Mohammad Amin, MD

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Personal information

Date of birth: June 24 1983, Glostrup

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Education

06/2010: MD, University of Copenhagen

01/2014: PhD, University of Copenhagen (expected)

Short biography

Current position: MD, PhD research fellow since 2010 at the Danish Headache Center, Glostrup Hospital, Copenhagen, Denmark. Graduate of the University of Copenhagen in 2010 and member of the International Headache Society. Main research interests include pathophysiology of migraine without aura, vascular involvement in migraine, human migraine models, and neuroimaging.

Appointments

Dept. of Neurology, Glostrup Hospital, Faculty of Health and Medical Sciences, University of Copenhagen
PhD student, 7/2010 – present

Department of Neurology, Glostrup Hospital
Pre-graduate research assistant, March 2009 – Jun 2010

Department of Neurology, Glostrup Hospital
Substitute doctor, July 2009 – Dec 2009

Department of Heart and Lung Surgery, Rigshospitalet
Substitute doctor, Aug 2008 – May 2009

Department of Neurosurgery, H17, Glostrup Hospital
Video-EEG assistant, July 2007 – Nov 2008

Department of Pediatrics, La00, Glostrup Hospital
Medical secretary, June 2007 – Sep 2007

Emergency Clinic, Department of Medicine, Glostrup Hospital
Medical secretary, June 2007 – present

Department of Neurology, N28, Glostrup Hospital
Medical assistant, 2004 – 2009 (reference: Birgitte Lerche).

Post-graduate education

- 11/2013: Basic statistics course, University of Copenhagen
- 08/2013: Analysis of restig-state fMRI data using MATLAB, Basel University Hospital, Switzerland
- 12/2012: Responsible Conduct of Research, University of Copenhagen
- 11/2011: Functional magnetic resonance imaging: from neurophysiology to cognitive neuroscience, European Society for Magnetic Resonance in Medicine and Biology, Amsterdam, Netherlands
- 11/2011: Analysis of restig-state fMRI data using MATLAB, Basel University Hospital, Switzerland
- 05/2011 Clinical course on headache disorders, Danish Headache Society
- 02/2010: Advanced MRI safety course, Functional Imaging Unit, Glostrup Hospital

Attended international meetings

- 06/2013: Congress of the International Headache Society, Boston, USA.
- 04/2013: World Congress on Controversies in Neurology, Istanbul, Turkey.
- 01/2013: Middle East Quality Management in Healthcare Conference, Dubai, UAE.

- 10/2012: Joint Symposium of the International Headache Society & International Association for the Study of Pain, Hamburg, Germany.
- 09/2012: European Headache and Migraine Trust International Congress, London, UK.
- 05/2012: 1st International Headache Academy, Copenhagen, Denmark.
- 01/2012: Middle East Imaging and Diagnostic Conference, Dubai, UAE.
- 06/2011: Congress of the International Headache Society, Berlin, Germany.
- 10/2010: European Headache and Migraine Trust International Congress, Nice, France.

Oral and poster presentations

- 10/2013: OP: *Investigation of the pathophysiological mechanisms of migraine attacks induced by PACAP38*. Annual meeting of the Danish Headache Society, Copenhagen, Denmark.
- 06/2013: OP: *Magnetic resonance angiography reveals intracranial but no extracranial arterial dilatation during migraine attacks*. International Headache Congress, Boston, USA.
- 05/2013: PP: *The effect of sumatriptan on cephalic arteries – 3T MR-angiography study in healthy volunteers*. Annual PhD Day, University of Copenhagen, Denmark.
- 10/2012: OP: *Primary headaches – diagnostic and treatment*. University of Health Sciences, Lahore, Pakistan.
- 10/2012: OP/PP: *The effect of sumatriptan on cephalic arteries – 3T MR-angiography study in healthy volunteers*. Annual meeting of the Danish Headache Society, Copenhagen, Denmark.
- 10/2012: OP: *The effect of sumatriptan on cephalic arteries – 3T MR-angiography study in healthy*. Annual Research Day, Glostrup Hospital, Denmark.
- 09/2012: OP/PP: *The effect of sumatriptan on cephalic arteries – 3T MR-angiography study in healthy volunteers*. European Headache and Migraine Trust International Congress, London, UK.
- 05/2012: OP: *Mechanisms and biomarkers of migraine without aura measured by MRI*. 1st International Headache Academy, Copenhagen, Denmark.
- 05/2012: PP: *Headache and prolonged dilatation of the middle meningeal artery by PACAP38 in healthy volunteers*. Annual PhD Day, University of Copenhagen, Denmark.
- 10/2011: OP/PP: *Headache and prolonged dilatation of the middle meningeal artery by PACAP38 in healthy volunteers*. Annual meeting of the Danish Headache Society, Copenhagen, Denmark.
- 10/2011: PP: *Headache and prolonged dilatation of the middle meningeal artery by PACAP38 in healthy volunteers*. Annual Research Day, Glostrup Hospital, Denmark.
- 06/2011: PP: *Headache and prolonged dilatation of the middle meningeal artery by PACAP38 in healthy volunteers*. International Headache Congress, Berlin, Germany.

Awards and grants

- 05/2013: Best Poster Presentation Award, PhD Day 2013, University of Copenhagen, Denmark.
- 04/2013: Lægernes Forskningsforening af 1891 Travel Grant.
- 10/2012: Annual Research Price of the Danish Headache Society, Denmark.
- 10/2012: Best Oral Presentation Award (2nd), Annual Research Day, Glostrup Hospital, Denmark.
- 09/2012: Best Poster Presentation Award, European Headache and Migraine Trust International Congress, London, UK.
- 05/2012: PhD Scholarship (\$135,000) from University of Copenhagen.
- 03/2012: Lægernes Forskningsforening af 1891 Travel Grant.
- 01/2012: Research grant (\$40,000) from the IMK Almene Foundation.
- 04/2011: Research grant (\$3,500) from the Cool Sorption Foundation.
- 04/2011: International Headache Society Travel Grant.
- 07/2010: MSD Denmark Travel Grant.

Publications

Amin FM, Lundholm E, Hougaard A, Arngrim N, Wiinberg L, de Koning PJ, Larsson HB, Ashina M. Measurement precision and biological variation of cranial arteries using automated analysis of 3T magnetic resonance angiography. *Submitted*.

Amin FM, Hougaard A, Schytz HW, Asghar MS, Lundholm E, Parvaiz AI, de Koning PJ, Andersen MR, Larsson HB, Fahrenkrug J, Olesen J, Ashina M. Investigation of the pathophysiological mechanisms of migraine attacks induced by PACAP38. *Submitted*.

Hougaard A, **Amin FM**, Hoffmann MB, Larsson HB, Magon S, Sprenger T, Ashina M. Structural grey matter abnormalities in migraine relate to headache lateralization, but not aura. *Submitted*.

Amin FM, West AS, Jørgensen CS, Simonsen SA, Lindberg U, Trantum-Jensen J, Hougaard A. Santa Claus is as credible as the doctor, but more kind. *Submitted*.

Hougaard A, **Amin FM**, Hoffmann MB, Rostrup E, Larsson HB, Asghar MS, Larsen VA, Olesen J, Ashina M. Interhemispheric differences of fMRI responses to visual stimuli in patients with side-fixed aura. *Human Brain Mapping*, 2013. *In press*.

Amin FM, Olesen J, Ashina M. Intracranial and extracranial arteries in migraine – Authors' reply. *Lancet Neurol*. 2013; 12: 848-9.

El-safadi L, Arngrim N, **Amin FM**. Effect of acyclovir and steroid in a young immunocompetent male with herpes zoster myelitis. *Ugeskr Laeger*, 2013. Epub ahead of print.

Amin FM, Larsen VA, Tfelt-Hansen P. Vertebral artery dissection associated with generalized convulsive seizures: a case report. *Case Rep Neurol.* 2013; 5: 125-9.

Amin FM, Asghar MS, Ravneberg JW, de Koning PJ, Larsson HB, Olesen J, Ashina M. The effect of sumatriptan on cephalic arteries: A 3T MR-angiography study in healthy volunteers. *Cephalalgia.* 2013; 33: 1009-16.

Amin FM, Asghar MS, Hougaard A, Hansen AE, Larsen VA, de Koning PJ, Larsson HB, Olesen J, Ashina M. Magnetic resonance angiography of intracranial and extracranial arteries in patients with spontaneous migraine without aura: a cross-sectional study. *Lancet Neurol.* 2013; 12: 454-61.

Akram J, **Amin FM**, Toft JG, Rømeling F. Treatment of foreign body impactions in oesophagus. *Ugeskr Laeger.* 2013; 175: 640-3.

Hougaard A, **Amin FM**, Hauge AW, Ashina M, Olesen J. Provocation of migraine with aura using natural trigger factors. *Neurology.* 2013; 80: 428-31.

Amin FM, Lindberg U, Raghava JM, Hougaard A. The cerebral representation of the Christmas spirit. A transcultural functional magnetic resonance study. *Ugeskr Laeger.* 2012; 174: 3082-4.

Amin FM, Asghar MS, Guo S, Hougaard A, Hansen AE, Schytz HW, van der Geest RJ, de Koning PJ, Larsson HB, Olesen J, Ashina M. Headache and prolonged dilatation of the middle meningeal artery by PACAP38 in healthy volunteers. *Cephalalgia.* 2012; 32: 140-9.

Asghar MS, Hansen AE, **Amin FM**, van der Geest RJ, de Koning PJ, Larsson HB, Olesen J, Ashina M. Evidence for a vascular factor in migraine. *Ann Neurol.* 69; 635-45.

Teaching and guidance

2011 – present: Supervising master and bachelor thesis projects of several medical students.

2011 – present: Numerous lectures on headache and migraine research to doctors, nurses, radiographers, and laboratory technicians.

2011 – present: Lecturing senior medical students on medical research.

2011 – present: Taught foreign medical doctors in medical report writing in Danish, FA Health Consult.

2011: Pathology and microbiology teachings to future pharmaceutical consultants at PharmaXam.

Scientific societies

Member of the Danish Medical Association and Danish Young Neurologists Society.

Member of the Danish Headache Society.

Member of the International Headache Society.

Member of the Research Council at Glostrup Hospital (3/2012-present).

Vice-chairman and co-founder for GUF (Society for young scientists at Glostrup Hospital).

Skills and attributes

Languages

Danish: Native language.

English: Advanced level spoken and written.

Urdu: Advanced level spoken and written.

Punjabi: Advanced level spoken.

Hindi: Advanced level spoken.

German: Intermediate level spoken and written.

Computer programming

Basic level SPSS Statistics, SAS, MATLAB, MS Office, and HTML.

MRI software: LKEB-MRA vessel wall analysis, and Osirix.

Personal interests

Science, history and philosophy, meditation, nature, volunteers social work, and field hockey (playing for Gentofte Hockey Club in the Danish Elite Division at present; previously played for the Danish U18 national team).

Other activities

Director of FA Health Consult (VAT/CVR 33730152), 2011-present.

- *Education to foreign medical doctors in medical report writing in Danish.*
- *Lectures in Urdu/Punjabi language on risk factors to vascular diseases of heart/brain, diabetes, headache management, and importance of medical compliance.*
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Board member, Chairman of Development Committee (2010-present) and Tournament Director (2006-2009) of Danish Hockey Federation.

Chairman (2001-2011), board member and junior/senior coach (1999-present), Ishøj Hockey Club.

- *Won the Danish Hockey Championships with the juniors U12 and U14 teams 2004/2005.*
- *Development Prize 2005, Danish Hockey Federation.*
- *Sports Leader Prize 2005, Municipality of Ishøj.*
- *Volunteer Leader Prize 2004, Lion's Club Ishøj.*

Medical official at the Women's European Indoor Hockey Championship 2012.