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Dr Amitava Banerjee

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About

Amitava Banerjee is NIHR Clinical Lecturer in Cardiovascular Medicine and Honorary Specialist Registrar in Cardiology.

Ami has over 40 scientific publications, including review articles and book chapters, in the fields of epidemiology, cardiology and global health. His epidemiology work has largely focused on the sex-specific effects of family history of myocardial infarction and stroke on risk of future cardiovascular disease, as well as atrial fibrillation. His major global health interests are access to medicines and the burden of cardiovascular disease in India.

He spends his time between clinical cardiology, research and teaching, and is now based in Professor Gregory Lip's research group in the Centre for Cardiovascular Sciences.

Qualifications

- 2011 DPhil (Oxon)
- 2007 MRCP (London)
- 2005 MPH (Harvard)
- 2002 MBBCh (Oxon)
- 1999 MA Hons (Oxon)

Biography

Amitava Banerjee qualified MBBCh from Oxford Medical School in 2002, where he was awarded the Radcliffe Prize for contribution to clinical school life. He trained as a junior doctor in Oxford, Newcastle, Hull and London, and took up his Clinical Lecturer post in Cardiology in Birmingham in March 2011. His interest in preventive cardiology led him to complete a Masters in Public Health at Harvard University in 2004/05, funded by a Frank Knox Memorial Fellowship. Epidemiology and evidence-based medicine were the obvious ways to marry his passions for cardiology and public health. He first worked with the Cardiovascular Diseases Division at the World Health Organisation as an intern in 2005, but has continued to work there as a WHO Temporary Advisor.

In 2011, he completed his DPhil in cardiovascular epidemiology in the Stroke Prevention Research Unit in Oxford, focusing on acute coronary syndromes under the supervision of Professor Peter Rothwell. During his DPhil, he held a Graduate Scholarship in Sciences at St Catherine's College, University of Oxford. He has presented his research work at several national and international meetings, receiving a Young Investigator Award at the European Stroke Conference in 2008 and an Early Career Travel Award from the American Heart Association in 2009.

Medical education has always been a keen interest, and Ami was previously Tutor for Clinical Studies at Lady Margaret Hall, University of Oxford (2006-2010). He continues to regularly teach undergraduate and postgraduate students. Outside of clinical practice, his interests include global health, improving access to medicines and medical education.

In addition, public engagement in science has developed as an important area of his work. Ami co-writes the popular evidence-based healthcare blog, trusttheevidence.net, which aims to 'unpack' the data and statistics in news stories about health and health research.

Teaching

- **Medicine and Surgery MBChB (/undergraduate/courses/med/medicine.aspx)** – 1st year cardiology module, lecturing and clinical teaching of 3rd and 5th year MB students
- **International Health BMedSc - Intercalated Degree (/undergraduate/courses/med/InternationalHealthBMedSc-IntercalatedDegree.aspx)** - lectures on non-communicable disease
- **Public Health MPH/PG Diploma/PG Certificate (/postgraduate/courses/taught/med/public-health.aspx)** - Developing countries module
- **Dental Surgery BDS (/undergraduate/courses/med/dental-surgery.aspx)** - lectures re. cardiovascular system

Postgraduate supervision

Ami is interested in supervising projects regarding:

(1) any aspect of cardiovascular disease epidemiology in the UK, India and in other countries, particularly with respect to coronary artery disease, heart failure and atrial fibrillation.

(2) evidence-based medicine, systematic reviews and diagnostic test accuracy

(3) global health

Interested applicants can e-mail to **a.banerjee.1@bham.ac.uk (mailto:a.banerjee.1@bham.ac.uk)** .

Research

Current epidemiology research interests are atrial fibrillation and novel anticoagulant therapies for atrial fibrillation. In terms of global health, access to medicines is his main interest as well as the global burden of cardiovascular disease. His doctoral research included comparative epidemiology of cerebrovascular, coronary and peripheral vascular disease and family history of cardiovascular disease.

Other activities

- Honorary specialist registrar in Cardiology, City Hospital, Birmingham
- Member of BMA Medical Academic Staff Committee (MASC)
- Medical Advisor, Incentives for Global Health
- Advanced Life Support Instructor
- Teaching faculty at Centre for Evidence Based Medicine, University of Oxford
- Co-editor of trusttheevidence.net (**http://trusttheevidence.net (http://trusttheevidence.net/)**), an evidence-based blog
- Senior Associate at Diagnosis, a non-profit healthcare consultancy which specialises in gaining consultancy work for junior doctors in training in the NHS

Publications

DPhil publications

1. Howard DP, Banerjee A, Fairhead JF, Perkins J, Silver LE, Rothwell PM; Oxford Vascular Study. Population-based study of incidence and outcome of acute aortic dissection and premorbid risk factor control: 10-year results from the oxford vascular study. Circulation. 2013;127:2031-7.
2. Banerjee A, Lim CC, Silver LE, Heneghan C, Welch SJ, Mehta Z, Banning AP, Rothwell PM. Family history does not predict angiographic localization or severity of coronary artery disease. Atherosclerosis. 2012;221: 451-7.
3. Kennedy RE, Howard G, Go RC, Rothwell PM, Tiwari HK, Feng R, McClure LA, Prineas RJ, Banerjee A, Arnett DK. Association between family risk of stroke and myocardial infarction with prevalent risk factors and coexisting diseases.Stroke. 2012;43: 974-9.
4. Banerjee A. A review of family history of cardiovascular disease: risk factor and research tool. International Journal of Clinical Practice. 2012;66:536-43.
5. Banerjee A, Lim CCS, Silver LE, Welch SJV, Banning AP, Rothwell PM. Familial history of stroke is associated with acute coronary syndromes in women. Circulation Cardiovascular Genetics 2011.4:9-15
6. Banerjee A, Silver LE, Heneghan C, Welch SJV, Mehta Z, Banning AP, Rothwell PM. Relative familial clustering of cerebral versus coronary ischemic events. Circulation Cardiovascular Genetics 2011;4:390-6.
7. Banerjee A, Fowkes FG, Rothwell PM. Associations between peripheral artery disease and ischaemic stroke: implications for primary and secondary prevention. Stroke 2010.41:2102-7.
8. Banerjee A, Silver LE, Heneghan C, Welch SJV, Bull LM, Mehta Z, Banning AP, Rothwell PM. Sex-specific familial clustering of myocardial infarction in patients with acute coronary syndromes in the heritability of myocardial infarction. Circulation Cardiovascular Genetics 2009. 2:98-105.

Atrial fibrillation

1. Banerjee A, Fauchier L, Vourc'h P, Andres CR, Taillandier S, Halimi JM, Lip GY. Renal impairment and ischemic stroke risk assessment in patients with atrial fibrillation: the Loire Valley Atrial Fibrillation Project. J Am Coll Cardiol. 2013;61:2079-87.
2. Orenes-Pinero E, Montoro-Garcia S, Banerjee A, Valdes M, Lip GY, Marin F. Pre and post-operative treatments for prevention of atrial fibrillation after cardiac surgery. Mini Rev Med Chem. 2012;12:1419-31.
3. Lane DA, Banerjee A. Adding renal dysfunction to CHA(2)DS(2)-VASc improves stroke prediction post-catheter ablation.Heart Rhythm. 2012 Oct 13.
4. Camm AJ, Al-Khatib SM, Calkins H, Halperin JL, Kirchhof P, Lip GY, Nattel S, Ruskin J, Banerjee A, Blendea D, Guasch E, Needleman M, Savelieva I, Viles-Gonzalez J, Williams ES. A proposal for new clinical concepts in the management of atrial fibrillation. Am Heart J. 2012;164:292-302
5. Banerjee A, Taillandier S, Olesen JB, Lallemand B, Lip GYH, Fauchier L. Ejection fraction and outcomes in patients with atrial fibrillation and heart failure: The Loire Valley Atrial Fibrillation Project. European Journal of Heart Failure 2012;14: 295-301.
6. Lip GY, Banerjee A, Lagrenade I, Lane DA, Taillandier S, Fauchier L. Assessing the Risk of Bleeding in Patients with Atrial Fibrillation: The Loire Valley Atrial Fibrillation Project. Circ Arrhythm Electrophysiol. 2012;5:941-8.
7. Banerjee A, Taillandier S, Olesen JB, Lane DA, Lallemand B, Lip GY, Fauchier L. Pattern of atrial fibrillation and risk of outcomes: The Loire Valley Atrial Fibrillation Project. Int J Cardiol. 2012 Jul 13. [Epub ahead of print]
8. Banerjee A, Lane DA, Torp-Pedersen C, Lip GY. Net clinical benefit of new oral anticoagulants (dabigatran, rivaroxaban, apixaban) versus no treatment in a 'real world' atrial fibrillation population: A modelling analysis based on a nationwide cohort study. Thromb Haem 2012;107: 584-9.
9. Banerjee A, Lip GY. Improving the diagnosis and prognosis of atrial fibrillation in stroke: quo vadis? Eur J Neurol. 2012;19:187-8.
10. Banerjee A, Marín F, Lip GY. A new landscape for stroke prevention in atrial fibrillation: focus on new anticoagulants, antiarrhythmic drugs, and devices. Stroke. 2011; 42:3316-22.
11. Banerjee A, Lip GY. Looking through the PRISM: new insights for young patients with atrial fibrillation and stroke. Cerebrovasc Dis. 2011;32:383-4.
12. Banerjee A, Marín F, Lip GY. The improved but unfinished business of stroke risk stratification in atrial fibrillation.Rev Esp Cardiol. 2011;64:639-41.
13. Banerjee A, Lane DA, Lip GY. Bleeding risk with oral anticoagulation--new frontiers and new questions. Int J Clin Pract. 2011;65:719-21.
14. Banerjee A, Lip GY. Intracerebral hemorrhage and warfarin: perceived versus actual risk. Stroke. 2011; 42: 2383-4.

Global health

1. Heneghan C, Blacklock C, Perera R, Davis R, Banerjee A, Gill P, Liew S, Chamas L, Hernandez J, Mahtani K, Hayward G, Harrison S, Lasserson D, Mickan S, Sellers C, Carnes D, Homer K, Steed L, Ross J, Denny N, Goyder C, Thompson M, Ward A. Evidence for non-communicable diseases: analysis of Cochrane

reviews and randomised trials by World Bank classification. BMJ Open. 201;3(7).

2. Banerjee A, Mendis S. Editorial (heart failure: the need for global health perspective). Curr Cardiol Rev. 2013;9:97-8. (I was Guest Editor for this special issue on “Global burden of heart failure”)
3. Guo Y, Lip GY, Banerjee A. Heart failure in East Asia. Curr Cardiol Rev. 2013;9:112-22.
4. Banerjee A. Macroeconomics and cardiovascular risk factors: the same view through a different lens? Circulation. 2013;127:1451-2.
5. Bhala N, Banerjee A, Rao M. Health is global--what does that mean for the United Kingdom? J R Soc Med. 2011;104:312-4.
6. Banerjee A, Pogge T. The Health Impact Fund: a potential solution to inequity in global drug access. Indian J Med Ethics. 2010;7:240-3.
7. Banerjee A, Banatvala N, Handa A. Medical student electives: potential for global health? Lancet 2011.377:555.
8. Mendis S, Banerjee A. Chapter 3. Cardiovascular disease: equity and social determinants; in Equity, social determinants and public health programmes. Edited by Blas E. and Kurup AS. World Health Organization 2010.
9. Banerjee A, Pogge T, Hollis A. The health impact fund. Lancet. 2010;375:1693.
10. Banerjee A, Hollis A and Pogge T. The Health Impact Fund: incentives for improving access to medicines. Lancet 2010. 375:166-169.
11. Banerjee A. Medical electives: a chance for international health. J R Soc Med. 2010;103:6-8.
12. Pogge T, Hollis A, Singer P, Nathan C, Banerjee A, Van Puymbroeck R V, Grootendorst P. The Health Impact Fund: Pay-for-Performance. Submission to WHO Expert Group for Public Health, Innovation and Intellectual Property. April 2009.
13. Verma G and Banerjee A. Internships at the World Health Organisation. The Lancet Student 2008. **http://www.thelancetstudent.com/2008/04/17/internships-at-the-world-health-organisation/ (http://www.thelancetstudent.com/2008/04/17/internships-at-the-world-health-organisation/)**
14. Banerjee A. "Halving premature death rate: the responsibility of medical research". Young Voices in Research for Health: winners of the Forum 10 essay competition for the under-30s (Global Forum for Health Research, Geneva 2006).
15. Lown B, Banerjee A. The developing world in The New England Journal of Medicine. Global Health. 2006;2:3.
16. Banerjee A. Whose responsibility is access to essential drugs for chronic diseases? Ethics and Economics.2006;4:2.

Miscellaneous

1. Banerjee A. Bernard Lown: the nonagenarian blogger with a lifelong thirst for combining clinical practice and social responsibility. Eur Heart J. 2013 May;34(18):1316-7.
2. Patel JV, Chackathayil J, Gammon B, Tracey I, Lovick A, Gill PS, Banerjee A, Scarff CA, Scrivens JH, Lip GY, Hughes EA. Is the higher risk of cardiovascular disease amongst South Asian populations linked to abnormalities of haemoglobin? A preliminary case control study. Atherosclerosis. 2012. [Epub ahead of print]
3. Alam M, Patel JV, Chackathayil J, Balakrishnan B, Banerjee A, Lip GYH, Gill PS. Genetic variant of CD36 gene is not associated with Cardiovascular risk factors in South Asians. Atherosclerosis. 2012;223:531.
4. Patel JV, Banerjee A, Montoro-Garcia S, Shantsila E, Alam M, Patel B, Balakrishnan B, Niwaz S, Hughes EA, Lip GY, Gill PS. Changes in CD36 expression and lipid metabolism in response to an oral glucose challenge in south Asians. Atherosclerosis. 2012;223:533.
5. Banerjee A. Tracking global funding for the prevention and control of non-communicable diseases. Bull World Health Organ. 2012;90: 479-479A.
6. Banerjee A, Stanton E, Lemer C, Marshall M. What can quality improvement learn from evidence-based medicine? J R Soc Med. 2012;105: 55-9.
7. Banerjee A, Newman DR, Van den Bruel A, Heneghan C. Diagnostic accuracy of exercise stress testing for coronary artery disease: a systematic review and meta-analysis of prospective studies. Int J Clin Pract. 2012;66:477-92.
8. Bhala N, Taggar JS, Rajasekhar P, Banerjee A. Anticipating and managing bleeding complications in patients with coronary stents who are receiving dual antiplatelet treatment.BMJ. 2011; 343:d4264.
9. Bhala N, Banerjee A. Combination therapy with clopidogrel and proton-pump inhibitors. Lancet. 2010;375:28; 28-9.
10. Banerjee A. Masters in Public Health. BMJ Career Focus 2006;333:181.
11. Banerjee A. A place for surgery in medicine. BMJ Career Focus 2005;330:106.
12. Wheeler JM, Banerjee A, Ahuja N, Jewell DP, Mortensen NJ. Long-term function after restorative proctocolectomy. Dis Colon Rectum. 2005;48:946-51.
13. Wheeler JMD, Banerjee A, Ahuja N, Jewell D, Mortenson NJMcC. Long-term function after ileoanal pouch surgery- Colorectal Disease 2002;4(Supplement):17.

Expertise

Heart disease, cardiovascular disease, NHS, disease prevention, public health, global health, access to medicines, evidence-based medicine, epidemiology.

Languages and other information

Ami is fluent in English and Bengali and has some understanding of French and Hindi.

Media experience

Cardiologist Dr Ami Banerjee won the Specialist Factual New Presenting Talent Competition at Sheffield International Documentary Festival in 2012, for his project, “The Heart of a Migrant”. He has over 50 publications in research journals.

His work about the family history of stroke in women with heart disease received worldwide media coverage from Radio 4 Woman’s Hour and the Daily Mail to ABC News and the Times of India. Ami also co-writes a popular evidence-based medicine blog, **trusttheevidence.net (http://blogs.trusttheevidence.net/)**

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