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About

Professor Lip, MD, is an academic clinical cardiologist based in a busy city centre teaching hospital and leads a large, multidisciplinary research group (including clinical and laboratory-based components).

He is also Visiting Professor of Haemostasis Thrombosis and Vascular Sciences in the School of Life & Health Sciences at the University of Aston in Birmingham, England.

Professor Lip is Adjunct Professor in Cardiovascular Sciences at Aalborg University, Denmark. Furthermore, he is Visiting Professor of Cardiology at Belgrade University, Serbia. In 2014, he was conferred Honorary Professor in Department 1 of Geriatric Cardiology, Nanlou Division, Chinese PLA General Hospital & Chinese PLA Medical School, Beijing, China.

Half of his time is spent as a clinician, and he practises the full range of cardiovascular medicine, including outpatient clinics, with large atrial fibrillation and hypertension specialist clinics, and coronary care units. He also undertakes coronary intervention and assists in a 24/7 primary angioplasty rota for ST elevation MIs.

As an academic, Professor Lip provides strategy and research direction for his group, with many local, national, and international collaborations in progress. He has had a major interest into the epidemiology of atrial fibrillation (AF), as well as the pathophysiology of thromboembolism in this arrhythmia. Furthermore, he has been researching stroke and bleeding risk factors, and improvements in clinical risk stratification. The CHA_2DS_2-VASc and HAS-BLED scores for assessing stroke and bleeding risk, respectively – were first proposed and independently validated following his research, and are now incorporated into major international management guidelines.

His work into improving AF clinical management won the Heart Rhythm UK' **Arrhythmia Alliance Team of the Year Award 2012 (http://www.heartrhythmcongress.com/archive-folder/HRC%20_2012_Excellence_Awards.html)** '

In addition, he awarded the BMJ Group Awards '**Cardiovascular Team of the Year 2013 (http://groupawards.bmj.com/winners-announced#Cardiovascular%20Team%20of%20the%20Year)** '

In April 2013, Professor Lip was conferred an honorary doctorate (*Doctor Medicinae Honoris Causa*) from **Aalborg University (http://www.en.aau.dk/News+and+Events/News//cardiac-fibrillation-researcher-awarded-honorary-doctorate.cid85999)**

Professor Lip was also selected to the Thomson Reuters Science Watch list of "**Who and What was Hot in Scientific Research in 2012 (http://sciencewatch.com/articles/hottest-research-2012)** " (issued June 2013) which lists the most influential scientific researchers and research papers of the year.

In June 2014, he also listed amongst the year's Thomson Reuters Science Watch list of **Hottest Researchers (http://sciencewatch.com/sites/sw/files/sw-article/media/worlds-most-influential-scientific-minds-2014.pdf)** of 2013, and was the only cardiologist on the list.

In June 2014, he was listed as a **Highly Cited Researcher (http://www.isihighlycited.com/)** , which represents some of the world's most influential scientists whose work has been consistently judged by their peers to be of particular significance, being the top 1% most cited for their subject field and year of publication [issued June 2014]. Professor Lip was one of the 4 named Birmingham academics on this list [**see press release (http://www.birmingham.ac.uk/news/latest/2014/06/Poll-places-Birmingham-academics-among-worlds-most-influential-researchers.aspx)**].

In January 2014, Professor Lip was ranked by **Expertscape (http://expertscape.com/leaders/atrial-fibrillation)** as the **world's leading expert (https://www.swbh.nhs.uk/media/professor-is-worlds-number-one-expert-in-atrial-fibrillation/)** in the understanding and treatment of AF, and correspondingly, the University of Birmingham listed as the world's top institution for AF research [**see Expertscape press release] (http://www.prlog.org/12273752-expertscape-ranks-top-doctors-and-hospitals-in-atrial-fibrillation.html)**

In May 2014, Professor Lip was also ranked by **Expertscape (http://www.expertscape.com/ex/hypertension)** as amongst the top 10 of the **world's leading expert (http://www.swbh.nhs.uk/media/cardiologist-named-in-worlds-top-ten/)** s in the understanding and treatment of hypertension [**see Expertscape press release] (http://www.prlog.org/12327635-expertscape-ranks-worlds-top-doctors-and-hospitals-in-hypertension.html)**

Qualifications

- Fellow of the Royal College of Physicians of London (F.R.C.P.Lond) May 2001
- Fellow of the Royal College of Physicians and Surgeons of Glasgow (F.R.C.P.Glasg) 1999
- Fellow of the Royal College of Physicians of Edinburgh (F.R.C.P.Edin) Sept 1998
- Fellow of the European Society of Cardiology (F.E.S.C.) June 1997
- Fellow of the American College of Cardiology (F.A.C.C.) August 1996
- Doctor of Medicine (M.D.) University of Glasgow, September 1994

- Diploma of Forensic Medicine (DFM) with Class Prize. September 1993
- Membership of the Royal Colleges of Physicians M.R.C.P.(U.K.) March 1991
- July 1988 M.B., Ch.B. (with commendation) University of Glasgow
- *Doctor Medicinae Honoris Causa*, Aalborg University, Denmark (April 2013)

Biography

Professor Lip is a member of the European Heart Rhythm Association (EHRA) and Chairs its scientific documents committee (2013-). He serves on the board of the Working Group on Thrombosis of the European Society of Cardiology (ESC). He is a member of the Working Group on Cardiovascular Pharmacology of the ESC, and is also a member of the European Association of Percutaneous Coronary Revascularisation.

Professor Lip has acted as Clinical Adviser for the UK National Institute for Health & Clinical Excellence (NICE) guidelines on atrial fibrillation (AF) management (2006), and part of the Guideline Development Group for the 2014 NICE guidelines on AF. He was also on the writing committee for the 8th American College of Chest Physicians (ACCP) Antithrombotic Therapy Guidelines for Atrial Fibrillation, as well as various guidelines and/or position statements from EHRA including the EHRA statement on defining endpoints for AF management and EHRA guidelines for antithrombotic therapy during ablation.

He has acted as Chair for task forces, writing a EHRA/Working Group on Thrombosis Position Statement on Bleeding Risks in Atrial Fibrillation Patients (2011), as well as joint consensus document of the ESC Heart Failure Association and Working Group Thrombosis on Thromboembolism and Antithrombotic Therapy for Heart Failure in Sinus Rhythm (2012).

Professor Lip was Chairman of the Task Force which developed and launched a new EHRA patient information webpage (**www.afibmatters.org (http://www.afibmatters.org/)**), launched June 2013.

He was also on the writing committee of the 2010 ESC Guidelines on Atrial Fibrillation, the 2012 ESC Focussed Update Guidelines on Atrial Fibrillation, and the 2012 ESC Guidelines on Heart Failure. He was Deputy Editor ("content expert") for the 9th ACCP guidelines on antithrombotic therapy for AF (2012).

Professor Lip has acted as Senior Editor for major international textbooks [eg, Lip GYH, Hall JE (eds) *Comprehensive Hypertension*. Mosby 2007] and Section Editor on hypertension (eg, Crawford, DiMarco, Paulus *Cardiology*, now in 3rd edition), as well as contributed to major textbooks [eg, the *European Textbook of Cardiovascular Medicine* (chapter on atrial fibrillation that serves as the core curriculum for ESC cardiology trainees), and Crawford's *Cardiology* textbook chapter on atrial fibrillation, etc.

Professor Lip is involved at the senior editorial level for major international journals, including *Thrombosis & Haemostasis* (Editor-in-Chief, Clinical Studies - Impact Factor 6.094); *Europace* (Associate Editor); and *Circulation* (Guest Editor).

Under his editorship, Thrombosis and Haemostasis was winner of the **Thomson Reuters ScholarOne Journal Triathlon (http://sciencewatch.com/articles/thomson-reuters-scholarone-journal-triathlon-winner-qa)** , an international award given to the publication which shows efficiency, longevity and validation of submissions (issued December 2013):

Research

Professor GYH Lip MD FRCP FACC FESC has research interests in atrial fibrillation, hypertension, heart failure, thrombosis and antithrombotic therapy, and ethnic differences in vascular disease. In addition, he has a major interest into the psychophysiology and understanding of the disease process in cardiovascular disease (including atrial fibrillation), as well as physician and patient perceptions of antithrombotic management strategies. Finally, he leads a laboratory-based research group into thrombosis and vascular biology in cardiovascular disease and stroke.

Other activities

Professor Lip has served on many clinical trial steering committees – being involved in study design, organisation and conduct - as well as trial Data Safety Monitoring Boards.

He is currently the lead for the cardiovascular research programme for Sandwell and West Birmingham NHS Hospitals NHS Trust.

Professor Lip has a national and international profile in atrial fibrillation, thrombosis and antithrombotic therapy.

Publications

h-index 117 [Google Scholar, accessed June 2014]

1786 citations on Medline, a selection are as follows:

Banerjee A, Fauchier L, Vourc'h P, Andres CR, Taillandier S, Halimi JM, Lip GY. Renal impairment and ischaemic stroke risk assessment in patients with atrial fibrillation: The Loire Valley Atrial Fibrillation Project. J Am Coll Cardiol. 2013 May 21;61(20):2079-87

Larsen TB, Rasmussen LH, Skjøth F, Due KM, Callréus T, Rosenzweig M, Lip GY. Efficacy and safety of dabigatran etexilate and warfarin in "real-world" patients with atrial fibrillation: a prospective nationwide cohort study. J Am Coll Cardiol. 2013 Jun 4;61(22):2264-73.

Albertsen IE, Rasmussen LH, Overvad TF, Graungaard T, Larsen TB, Lip GY. Risk of stroke or systemic embolism in atrial fibrillation patients treated with warfarin: a systematic review and meta-analysis. Stroke. 2013 May;44(5):1329-36.

Friberg L, Benson L, Rosenqvist M, Lip GY. Assessment of female sex as a risk factor in atrial fibrillation in Sweden: nationwide retrospective cohort study. BMJ. 2012 May 30;344:e3522.

Rasmussen LH, Larsen TB, Graungaard T, Skjøth F, Lip GY. Primary and secondary prevention with new oral anticoagulant drugs for stroke prevention in atrial fibrillation: indirect comparison analysis. BMJ. 2012 Nov 5;345:e7097. doi:10.1136/bmj.e7097.

Friberg L, Rosenqvist M, Lip GY. Net clinical benefit of warfarin in patients with atrial fibrillation: a report from the Swedish atrial fibrillation cohort study. Circulation. 2012 May 15;125(19):2298-307. Epub 2012 Apr 18.

Friberg L, Rosenqvist M, Lip GY. Evaluation of risk stratification schemes for ischaemic stroke and bleeding in 182 678 patients with atrial fibrillation: the Swedish Atrial Fibrillation cohort study. Eur Heart J. 2012 Jun;33(12):1500-10.

Apotolakis S, Lane D, Gao Y, Buller H, Lip GY. Performance of the HEMORR2HAGES, ATRIA and HAS-BLED bleeding risk prediction scores in anticoagulated patients with atrial fibrillation: The AMADEUS study. J Am Coll Cardiol 2012;60:861-7

Lip GY, Larsen TB, Skjøth F, Rasmussen LH. Indirect Comparisons of New Oral Anticoagulant Drugs for Efficacy and Safety When Used for Stroke Prevention in Atrial Fibrillation. J Am Coll Cardiol. 2012;60:738-46

Lip GY, Frison L, Halperin JL, Lane DA. Comparative validation of a novel ris score for predicting bleeding risk in anticoagulated patients with atrial fibrillation: the HAS-BLED (Hypertension, Abnormal Renal/Liver Function, Stroke, Bleeding History or Predisposition, Labile INR, Elderly, Drugs/Alcohol Concomitantly) score. J Am Coll Cardiol. 2011 Jan 11;57(2):173-80.

Boriani G, Botto GL, Padeletti L, Santini M, Capucci A, Gulizia M, Ricci R, Biffi M, De Santo T, Corbucci G, Lip GY; Italian AT-500 Registry Investigators. Improving stroke risk stratification using the CHADS2 and CHA2DS2-VASc risk scores in patients with paroxysmal atrial fibrillation by continuous arrhythmia burden monitoring. Stroke. 2011 Jun;42(6):1768-70.

Pisters R, Lane DA, Nieuwlaat R, de Vos CB, Crijns HJ, Lip GY. A novel user-friendly score (HAS-BLED) to assess 1-year risk of major bleeding in patients with atrial fibrillation: the Euro Heart Survey. Chest. 2010 Nov;138(5):1093-100.

Olesen J, Lip GY, Kamper AL, Hommel K, Kober L, Lane DA, Lindhardsen J, Gislason GH, Torp-Pedersen C. Stroke and Bleeding in Atrial Fibrillation with Chronic Kidney Disease. N Engl J Med 2012;367:625-35.

Olesen JB, Lip GY, Hansen ML, Hansen PR, Tolstrup JS, Lindhardsen J, Selmer C, Ahlehoff O, Olsen AM, Gislason GH, Torp-Pedersen C. Validation of risk stratification schemes for predicting stroke and thromboembolism in patients with atrial fibrillation: nationwide cohort study. BMJ. 2011 Jan 31;342:d124. doi: 10.1136/bmj.d124. PubMed PMID: 21282258

Reviews

Lip GY, Tse HF, Lane DA. Seminar – Management of atrial fibrillation. Lancet 2012;379(9816):648-61

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 Nov;42(11):3316-22.

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Guidelines and Consensus Documents

Lip GY, Ponikowski P, Andreotti F, Anker SD, Filippatos G, Homma S, Morais J, Pullicino P, Rasmussen LH, Marin F, Lane DA. Thrombo-embolism and antithrombotic therapy for heart failure in sinus rhythm. A Joint Consensus Document from the ESC Heart Failure Association and the ESC Working Group on Thrombosis. Eur J Heart Fail. 2012 May 19. [Epub ahead of print] PubMed PMID: 22611046.

You JJ, Singer DE, Howard PA, Lane DA, Eckman MH, Fang MC, Hylek EM, Schulman S, Go AS, Hughes M, Spencer FA, Manning WJ, Halperin JL, Lip GY; American College of Chest Physicians. Antithrombotic therapy for atrial fibrillation: Antithrombotic Therapy and Prevention of Thrombosis, 9th ed: American College of Chest Physicians Evidence-Based Clinical Practice Guidelines. Chest. 2012 Feb;141(2 Suppl):e531S-75S.

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