



MARCO SCARCI
C H E S T S U R G E O N

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PERSONAL CURRICULUM VITAE

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Date of birth: 13th March 1976
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UK Specialist Register: Cardiothoracic Surgery

Education and Qualifications

Education:

University of Chieti School of Medicine (1995 – 2001)
Cardiothoracic Residency University of Chieti, Cardiothoracic Surgery Dept. (2002 -2007)

Qualifications:

2001 MD (Hons)
2007 PG Dip CardThorac Surg. (Hons) – FRCS (CTh) equivalent
2010 FRCS(Eng) ad eundem
2014 Fellow of the America College of Surgeons FCCP

English Exams:

2009 IELTS overall score 8 out 9.
2010 TOEFL overall score 105 out 120.

Membership of Professional Bodies:

Society of Thoracic Surgeons
International Society of Minimally Invasive Cardiothoracic Surgery
European Association for Cardiothoracic Surgery

Society of Cardiothoracic Surgery in Great Britain and Ireland
European Society of Thoracic Surgery
CTSnet (Cardiothoracic Surgery Network)

Employment History

Current Employment:

Consultant Thoracic Surgeon
Papworth Hospital, Cambridge (Sep 2011 – current)

I perform many procedures via minimally invasive techniques, and since commencing my post at Papworth, 82% of my cases have been performed thoracoscopically.

To date, as a consultant surgeon, I have performed over cases with a mortality of 0.4%. This is well below the UK and international average. This is lower than the national average of 2.25%. My hospital stay has a mean 3.36 days. National average is between 4 and 18 days, with most units been between 5–7 days. Overall rate of complications is low as highlighted in my appraisal.

I introduced, developed and led the enhanced recovery program for thoracic surgery since my appointment as consultant. This became a Trust Guideline.

At 30/7/2013, 183 elective patients took part in the programme. Length of stay was reduced from a mean of 12.4 days to a mean of 4.96 days.

In 2012–13 the program resulted in a net gain of £ 91.439. The programme has been highly commended in 2012 and 2013 at the Hospital Staff Award under the “working differently” category. Currently the programme has achieved a result of 1018% above target.

Appointed as thoracic surgery clinical reference group (CRG) representative for East of England to define the service specifications for thoracic surgery.

Previous Employment:

Senior Clinical Fellow and Chief Resident, Thoracic Surgery
St Joseph's Hospital, Hamilton (Mar 2011 – Aug 2011)
Educational Supervisors: Dr Yaron Shargall and Dr Tom Waddell.

During my fellowship abroad, I completed a programme in advanced and minimally invasive Thoracic surgery at the McMaster University and University of Toronto which enabled me to become proficient in VATS lobectomies and locally advanced cancer resection.

The programme was based at St Joseph's Healthcare, a large teaching hospital serving a population of 2.5 million, and performing over 1600 thoracic operations and 50 esophagectomies each year.

Over a period of 6 months I personally performed 36 VATS lobectomies and 33 open anatomical lung resections.

Furthermore, I was also actively involved with improving and implementing educational programmes for residents and nurses. Other commitments included developing original articles for publication in high impact journals, developing productive links with other academic institutions and mentoring students and junior doctors.

Specialist Registrar, Thoracic Surgery
Guy's Hospital, London (Jul 2009 – Feb 2011)
Educational Supervisors: Mr Tom Routledge, Mrs Karen Harrison-Phipps

Specialist Registrar, Cardiac Surgery
St Thomas Hospital, London (Sep 2008 – Jun 2009)
Educational Supervisor: Mr Christopher Young

Specialist Registrar, Cardiothoracic Surgery
Essex Cardiothoracic Centre (Jul 2007 – Aug 2008)
Educational Supervisor: Mr Philip Hayward

Specialist Registrar, Cardiac Surgery
Trent Cardiac Centre (Jun 2007 – Jul 2007)
Educational Supervisor: Mr Ian Mitchell

SHO, Cardiothoracic Surgery
St Luke's Hospital, Malta (Jul 2004 – May 2007)
Educational Supervisor: Mr Alexander Manche

SHO, Cardiothoracic Surgery
San Camillo de Lellis Hospital, Chieti, Italy (Apr 2002 – Jun 2004)
Educational Supervisor: Professor Antonio Maria Calafiore

SHO General Surgery
Santissima Annunziata Hospital, Chieti, Italy (Jul 2001 – Mar 2002)
Educational Supervisor: Professor Paolo Innocent

Audit

I am fully committed to clinical audit and understand its role in driving clinical excellence; I have participated in several audits since commencing my training and continue to do so as a consultant.

Extra-pleural Analgesia Audit
(Papworth Hospital, November 2011) (completed)

VTE prophylaxis
(Papworth Hospital, January 2012) (completed)

Aquamantys device in reducing blood transfusion and ITU admissions in decortication for empyema
(Papworth Hospital, April 2012) (completed)

Nihil by mouth policy
(Papworth Hospital, November 2012) (completed)

Time to referral in pneumothoraces
(Papworth Hospital, March 2013) (completed)

Fluid management in thoracic surgery
(Papworth Hospital, August 2013) (completed)

Management

I have endeavoured to develop my leadership and management skills from very early on in my training. I have learned to set realistic targets with appropriate timescales and to manage my own workload efficiently. I also have an ability to motivate others, evidenced by the multi-source feedback and peer review survey results from my present post.

Local initiatives:

- Conversion of stapler's supplier resulted in a saving of approximately £91,000 over one year.

- ✦ I proposed and negotiated the contract with local private hospital to release capacity to tackle cancer breaches at Papworth.
- ✦ Successfully bided for new minimally invasive equipment to expand the capacity of the service and to position us as regional centre of excellence.
- ✦ Data lead for thoracic surgery.
- ✦ Enhanced recovery program Hospital Lead.

Regional role:

- ✦ Surgical representative for East Anglia lung cancer diagnostic pathway.
- ✦ Successfully completed the King's Fund Change leader's course using the enhanced recovery programme as case study.

National roles:

- ✦ Appointed as thoracic surgery clinical reference group (CRG) representative for East of England. My role is to advise the regional Medical Director on issues related to thoracic surgery and to contribute with other regional representatives to configure the service specifications to commission thoracic surgery.
- ✦ Media and E-learning lead for the Society for Cardiothoracic Surgery of Great Britain and Ireland.

International roles:

- ✦ European Association for cardiothoracic surgery new technologies and innovation workgroup appointed member.
- ✦ European Association for cardiothoracic surgery surgical training and manpower workgroup appointed member.
- ✦ European Society of Thoracic Surgeons lead of chest wall database.
- ✦ Multimedia manual of cardiothoracic surgery associate editor.

Teaching

I have a particular passion for teaching, and I endeavour to employ a range of teaching styles in order to suit my audience – be it medical students, junior doctors or nursing staff. I realise the importance of obtaining feedback to further develop and refine my teaching skills.

Regional:

- ✦ I am an assigned educational supervisor for three of our East Of England Deanery trainees.
- ✦ Mentor for students from Anglia Ruskin University.

National:

- ✦ I co-developed the Intermediate thoracic surgery course at the College of Surgeons and I am faculty on this course since it was created, two years ago. College's Survey of 30 participants so far rated the course very good or excellent in meeting educational needs.
- ✦ Course Director for training the trainers at the College of Surgeons.

Book chapters:

- ✦ 1. VATS vs open management of pleural empyema, Difficult decisions in thoracic surgery Springer.
- ✦ 2. European society of thoracic surgery Textbook of thoracic surgery, Rationale for lung metastasectomy.
- ✦ 3. Key Topics in thoracic surgery Cambridge university press, lung cancer staging. I am also an editor for this book.

Invited lectures:

Regional:

- ✦ East of Anglia thoracic society: minimally invasive surgery
- ✦ Emphysema update for nurses, Addenbrooke's

National:

- ✦ Royal Society of Medicine: Vats thymectomy

- ✦ Endobronchial ultrasound course faculty member

European:

- ✦ EACTS residents meeting: vats lobectomy vs open procedure.
- ✦ V International Russian Congress – Safety in Chest Wall repair: the Papworth Experience, June 2015.
- ✦ First German uniportal course Berlin February 2015
- ✦ EACTS chest wall course invited speaker
- ✦ I am head of a training programme for medical students on behalf of the European Association for Cardiothoracic Surgery

Other Interests

Outside of work, I have an interest in jazz. I am also a keen scuba diver and am a qualified instructor.

Research and Innovation

To date, I have published more than 43 peer-reviewed articles. My research interests in particular include minimally invasive techniques and the application of new technology in thoracic surgery.

I have been nominated as a peer reviewer for the following publications:

- ✦ The Lancet
- ✦ European Journal of Cardio-Thoracic Surgery (EJCTS)
- ✦ Interactive CardioVascular and Thoracic Surgery (ICVTS)
- ✦ European Surgical Research
- ✦ International Journal of Medical Sciences
- ✦ Journal of Medical Case Reports
- ✦ Annals of Thoracic Medicine (ATM) (official publication of Saudi Thoracic Society).
- ✦ Journal of Emergencies Trauma, and Shock (JETS) (official journal of the INDO-US Emergency and Trauma Collaborative).
- ✦ Current Medical Literature (CML - Lung Cancer)
- ✦ Saudi Journal of Anaesthesia (SJA) (official publication of the Saudi Anaesthetic Association)
- ✦ Cochrane Lung Cancer Review Group
- ✦ British Medical Journal.
- ✦ Mount Sinai Journal of Medicine

I also provide feedback to NHS Evidence (a branch of NICE) on their website, in my capacity as a virtual user panel member.

I also developed the following guidelines for the European Association for Cardiothoracic Surgery: European Guidelines for surgical treatment of empyema thoracis.

These guidelines have been approved by EACTS, and are awaiting publication.

Publications

Kondo K, Van Schil P, Detterbeck FC, Okumura M, Stratton K, Giroux D, Asamura H, Crowley J, Falkson C, Filosso PL, Giaccone G, Huang J, Kim J, Lucchi M, Marino M, Marom EM, Nicholson AG, Ruffini E. The IASLC/ITMIG Thymic Epithelial Tumors Staging Project: proposals for the N and M components for the forthcoming (8th) edition of the TNM classification of malignant tumors. Staging and Prognostic Factors Committee; Members of the Advisory Boards; Participating Institutions of the Thymic Domain. J Thorac Oncol. 2014 Sep; 9:S81–7.

Nicholson AG, Detterbeck FC, Marino M, Kim J, Stratton K, Giroux D, Asamura H, Crowley J, Falkson C, Filosso PL, Giaccone G, Huang J, Kondo K, Lucchi M, Marom EM, Okumura M, Ruffini E, Van Schil P. The IASLC/ITMIG Thymic Epithelial Tumors Staging Project: proposals for the T Component for the forthcoming (8th) edition of the TNM classification of malignant tumors. Staging and Prognostic Factors Committee;

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Detterbeck FC, Stratton K, Giroux D, Asamura H, Crowley J, Falkson C, Filosso PL, Frazier AA, Giaccone G, Huang J, Kim J, Kondo K, Lucchi M, Marino M, Marom EM, Nicholson AG, Okumura M, Ruffini E, Van Schil P. The IASLC/ITMIG Thymic Epithelial Tumors Staging Project: proposal for an evidence-based stage classification system for the forthcoming (8th) edition of the TNM classification of malignant tumors. Staging and Prognostic Factors Committee; Members of the Advisory Boards; Participating Institutions of the Thymic Domain. *J Thorac Oncol*. 2014 Sep; 9:S65–72.

Jama GM, Scarci M, Bowden J, Marciniak SJ. 2014 Dec. Palliative treatment for symptomatic malignant pericardial effusion. *Interact Cardiovasc Thorac Surg*. 2014 Dec; 19:1019–26.

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Brunelli A, Falcoz PE; Panel; D'Amico T, Hansen H, Lim E, Massard G, Rice TW, Rocco G, Thomas P, Van Raemdonck D, Congregado M, Decaluwe H, Grodzki T, Lerut T, Molnar T, Salati M, Scarci M, Van Schil P, Varela G, Venuta F, Melfi F, Gebitekin C, Kuzdzal J, Leschber G, Opitz I, Papagiannopoulos K, Patterson A, Ruffini E, Klepetko W, Toker A. European guidelines on structure and qualification of general thoracic surgery. *Eur J Cardiothorac Surg* 2014 Feb 20.

Ruffini E, Detterbeck F, Van Raemdonck D, Rocco G, Thomas P, Weder W, Brunelli A, Evangelista A, Venuta F. Tumors of the thymus: a cohort study of prognostic factors from the European Society of Thoracic Surgeons database. On behalf of the European Society of Thoracic Surgeons (ESTS) Thymic Working Group. *Eur J Cardiothorac Surg*. 2014 Jan 30.

Dunne MJ, Abah U, Scarci M. Frailty assessment in thoracic surgery. *Interact Cardiovasc Thorac Surg*. 2014 Jan 27.

Detterbeck FC, Asamura H, Crowley J, Falkson C, Giaccone G, Giroux D, Huang J, Kim J, Kondo K, Lucchi M, Marino M, Marom EM, Nicholson A, Okumura M, Ruffini E, van Schil P, Stratton K. The IASLC/ITMIG Thymic malignancies staging project: development of a stage classification for thymic malignancies. Staging and Prognostic Factors Committee; Members of the Advisory Boards; Participating Institutions of the Thymic Domain. *J Thorac Oncol*. 2013 Dec; 8(12):1467–73. doi: 10.1097/JTO.

Panagiotopoulos N, Gelvez-Zapata S, Rassl D, Coonar A, Scarci M. Primary epithelioid sarcoma of the pleura: an intricate diagnosis. *Ann Thorac Surg*. 2013 Sep; 96(3):e79. doi: 10.1016/j.athoracsur.2013.05.107.

Gelvez-Zapata SM, Gaffney D, Scarci M, Coonar AS. What is the survival after surgery for localized malignant pleural mesothelioma? *Interact Cardiovasc Thorac Surg*. 2013 Apr; 16(4):533–7.

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Manley K, Coonar A, Wells F, Scarci M. Blood patch for persistent air leak: a review of the current literature. *Curr Opin Pulm Med*. 2012 Jul; 18(4):333–8.

Chambers A, Scarci M. In patients with first-episode primary spontaneous pneumothorax is video-assisted thoracoscopic surgery superior to tube thoracostomy alone in terms of time to resolution of pneumothorax and incidence of recurrence? *Interact Cardiovasc Thorac Surg*. 2009; 9: 1003–1008.

Scarci M, Joshi A, Attia R. In patients undergoing thoracic surgery is paravertebral block as effective as epidural analgesia for pain management? *Interact Cardiovasc Thorac Surg*. 2010; 10: 92–96.

Attia R, Rohatgi A, Scarci M, Hamouda A, Botha AJ. Boerhaave's syndrome secondary to colonic interposition graft perforation. *Int J Colorectal Dis*. 2010 Mar 20.

Koc T, Routledge T, Chambers A, Scarci M. Do patients undergoing lung biopsy need a postoperative chest drain at all? *Interact Cardiovasc Thorac Surg.* 2010; 10: 1022-25.

Chambers A, Routledge T, Pilling J, Scarci M. In elderly patients with lung cancer is resection justified in terms of morbidity, mortality and residual quality of life? *Interact Cardiovasc Thorac Surg.* 2010; 10: 1015–21.

Tennyson C, Routledge T, Chambers A, Scarci M. A unique case of arteriovenous malformation in the anterior mediastinum, *Ann Thorac Surg* 2010; 90: e9–10.

Scarci M, Attia R, Routledge T, King J. A rare case of high-grade serous ovarian epithelial carcinoma presenting as an isolated cystic mediastinal mass: A case report and brief review of the literature. *Annals of Royal College of Surgeons of England* 2010; 92: 57–8.

Scarci M, Attia R, Routledge T, Harrison-Phipps K. Look what's eroding through the chest wall? Salmonella Osteomyelitis of the ribs in an immunocompetent adult not associated with sickle cell disease. *Annals of Royal College of Surgeons of England* 2010; 92: 59–61.

Chambers A, Routledge T, Dunning J, Scarci M, Is video assisted thoracoscopic surgical decortication superior to open surgery in the management of adults with primary empyema? *Interact Cardiovasc Thorac Surg.* 2010; 11: 171–7.

Scarci M, Pilling J, Harrison-Phipps K, Tennyson C, Routledge T. Right upper video-assisted thoracoscopic lobectomy for early stage lung cancer. By: *Multimedia Manual of Cardiothoracic Surgery.*

Chambers A, Routledge T, Billè A, Scarci M. Is blood pleurodesis effective for determining the cessation of persistent air leak? *Interact Cardiovasc Thorac Surg.* 2010; 11:468–72.

Chambers A, Routledge T, Billè A, Scarci M. Does surgery have a role in T4N0 and T4N1 lung cancer? *Interact Cardiovasc Thorac Surg.* 2010; 11:473–9.

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Ruffini E, Van Raemdonck D, Detterbeck F, Rocco G, Thomas P, Venuta F; European Society of Thoracic Surgeons Thymic Questionnaire Working Group. Management of thymic tumors: a survey of current practice among members of the European Society of Thoracic Surgeons. *J Thorac Oncol.* 2011; 6:614–23.

Hackett TL, Scarci M, Zheng L, Tan W, Treasure T, Warner JA. Oxidative modification of albumin in the parenchymal lung tissue of current smokers with chronic obstructive pulmonary disease. *Respir Res.* 2010 22;11:180.

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Zahid I, Routledge T, Bille A, Scarci M. What is the best treatment of post pneumonectomy empyema? *Interact Cardiovasc Thorac Surg.* 2010 Nov 18.

Zahid I, Sharif S, Routledge T, Scarci M. What is the best way to diagnose and stage malignant pleural mesothelioma? *Interact Cardiovasc Thorac Surg.* 2010 Nov 1.

Zahid I, Sharif S, Routledge T, Scarci M. Video-assisted thoracoscopic surgery or trans-sternal thymectomy in the treatment of myasthenia gravis? *Interact Cardiovasc Thorac Surg.* 2011 Jan; 12(1):40–6. Epub 2010 Oct 13.

Scarci M, Zahid I, Bille A, Routledge T. Is video-assisted thoracoscopic surgery the best treatment for paediatric pleural empyema? *Interact Cardiovasc Thorac Surg.* 2011 Feb 22.

Zahid I, Sharif S, Scarci M. Does positron emission tomography provide prognostic information in malignant pleural mesothelioma? *Interact Cardiovasc Thorac Surg*. 2011 Jan 25.

Zahid I, Routledge T, Bille A, Scarci M. What is the best treatment for pleural effusions in malignant mesothelioma? *Interact Cardiovasc Thorac Surg*. 2011 Feb 16.

Zahid I, Nagendran M, Routledge T, Scarci M. Comparison of video-assisted thoracoscopic surgery and open surgery in the management of primary empyema. *Current Opinion in Pulmonary Medicine*, 2011 Apr 23.

Nagendran M, Patel K, Pallis T, Scarci M. Should all the patients that have the diagnosis of malignant mesothelioma by VATS have the port sites irradiated? *Interact Cardiovasc Thorac Surg*. 2011 Mar 30.

Pallis T, Scarci M. Are we treating enough elderly patients with early stage non-small cell lung cancer? *Lung Cancer Journal* 2011, Jun 20.

Bakir M, Nagendran N, Routledge T, Scarci M. Is surgery for N2 disease lung cancer feasible? *Interact Cardiovasc Thorac Surg*.

Fraser S, Routledge T, Scarci M. Video-thoracoscopic management of single peripheral lung nodule. *Multimedia Manual of Cardiothoracic Surgery*.

Scarci M. Surgery of dilatative cardiomyopathies. *Annals of Thoracic Surgery*, 2001. Published thesis under supervision of Professor A.M. Calafiore.

Scorsin M, Al-Attar N, Scarci M, et al. Total replacement of the ascending aorta without circulatory arrest. *J Thorac Cardiovasc Surg*, 2003; 125: 126–8.

Scarci M, Fallouh HB, Young C. Is ministernotomy superior to conventional approach for aortic valve replacement? *Interact CardioVasc Thorac Surg*, 2009; 9: 314–317.

Attia R, Young C, Fallouh HB, Scarci M. In patients with acute aortic intramural hematoma is open surgical repair superior to conservative management? *Interact CardioVasc Thorac Surg*, 2009; 9: 868–71.

Scarci M, Fallouh HB, Young CP, Chambers DJ. Does intermittent cross-clamp fibrillation provide equivalent myocardial protection compared to cardioplegia in patients undergoing bypass graft revascularisation? *Interact CardioVasc Thorac Surg*, 2009; 95:872–78.

Tennyson C, Young C, Scarci M. Is it safe to perform endoscopic vein harvest? *Interact CardioVasc Thorac Surg*, 2010; 10: 625–29.

Presentations

1. Scarci M, Venugopal P, Fallouh HB, Anderson D. Late embolisation to the aortic arch of an Amplatzer device used to occlude a baffle leak. Presented at the 2009 Meeting of the Royal Society of Medicine.
2. Scarci M, Roxburgh J, Chambers DJ. Cross-clamp fibrillation in patients with poor EF offers superior long-term results compared to cardioplegia. Presented at the 2010 Meeting of the European Society of Cardiovascular Surgery. Antalya, April 2010.
3. Scarci M, Tennyson C, Chambers A, Routledge T. Arteriovenous malformation of the mediastinum. 2010 Meeting of the European Society for Cardiothoracic Surgery. Geneva, September 2010.
4. Scarci M, Yaron Shargall Y, Christian Finley C, Miller J. Outpatient endobronchial laser ablation of symptomatic airway obstruction is cost effective and safe. Accepted for the 2011 Meeting of the European Society of Thoracic Surgery, Lisbon, October 2011.

Posters

1. Scarci M, Manley K, Parizkova B, Martinez G, Gray S, Hung M, Gibson A, Slade M. Extrapleural analgesia compared to epidural analgesia in the management of post-operative pain in patients undergoing major lung resection: A cost-effectiveness study. American Thoracic Society International Conference (May 2012) submitted, awaiting decision
2. Tennyson C, Chambers A, Routledge T, Scarci M. Arteriovenous malformation of the mediastinum. Presented at the 2010 Meeting of the Royal Society of Medicine.
3. Chambers A, Tennyson C, Routledge T, Scarci M. Salmonella Osteomyelitis of the ribs. Presented at the 2010 Meeting of the Royal Society of Medicine.
4. Scarci M, Tennyson C, Chambers A, Routledge T. High grade serous ovarian carcinoma presenting as single isolated mediastinal mass. Presented at the 2010 Meeting of the Royal Society of Medicine.
5. Scarci M, Pilling J. Is Lobectomy for primary lung tumour in octogenarians worth the risk? A case control study. Accepted for the 2011 IASLC meeting in Amsterdam, July 2011.
6. Levai I, Manley K, Gelvez S, Ziegler J, Scarci M, Malata C, Coonar AS. First report of free Deep Inferior Epigastric Perforator Flap for closure of post-pneumonectomy empyema space. Presented at the 2011 Meeting of the Royal Society of Medicine.
7. Gelvez S, Manley K, Levai I, Ziegler J, Scarci M, Lok S, Gilligan D, Coonar AS. Surgery for localised malignant pleural mesothelioma: report of 2 cases and literature review. Presented at the 2011 Meeting of the Royal Society of Medicine.

Courses

Clinical:

- + Ebus Course (Cambridge, October 2013)
- + 2nd VATS Lobectomy Symposium (Innsbruck, April 2013)
- + Chest Wall disease course (Windsor, November 2013)
- + Endo Bronchial Ultrasound. Director Dr Kazuhiro Yasufuko (Toronto, Canada, 9th June 2011)
- + Toronto Refresher Course in Thoracic Surgery (Toronto, Canada, 10th – 11th June 2011)
- + Thoracic Surgery Laser Course (Salzburg, Austria, 8th – 9th July 2010) (awarded European Certification of Security Laser Officer)
- + Chest Ultrasound (Guys and St Thomas' Trust London, 14th December 2009)
- + Cardiac Advanced Life Support (CALS) (Basildon, Essex 15th June 2008)
- + Advanced Life Support (ALS) (Basildon, Essex 7th – 8th October 2007)
- + Advanced Trauma Life Support (ATLS) (Reggio Emilia, Italy 19th – 21st April 2007)
- + Level A: Cardiac surgery (European School for Cardiac Surgery 12th – 17th March 2007) (Winner of a scholarship of the European Association of Cardiothoracic Surgery for the European School of Cardiac Surgery in Bergamo)

Non-Clinical:

- + Bond Solon Expert Witness Training (June 2015-06-14)
- + Legal Aspects of Surgical Practice (Royal College of Surgeons of England, May 2013)
- + Advanced Communication Course (RCP, March 2013)
- + Sustainability leadership Programme for the Health Care Sector (Cambridge University, March 2013)
- + Effective Colleague Communication Skills for Doctor Workshop (London, March 2013)
- + Agents for Change: Collaborating for Quality Conference (King's Fund, London 10th November 2010)
- + Practical Statistics for Medical Research (University College London 12th – 16th April 2010)
- + Mentoring in Medical Training (London, 23rd – 24th March 2010)
- + Training and Assessment in Practice (Royal College of Surgeons of England, London 23rd February 2010)
- + Clinical Management and Leadership Programme for Specialist Registrars (Keele University, Royal College of

Surgeons of England, London 15th – 17th February 2010)

- Record Keeping and Statement Writing (Basildon and Thurrock University Hospital, Essex 21st April 2008)
- Clinical Audit Training Course (Basildon and Thurrock University Hospital, Essex 4th March 2008)
- Communication Skills (Basildon and Thurrock University Hospital, Essex July 2007)
- Training the Trainers (Malta, 26th February – 26th March 2007)

Meetings

- V Russian Congress (St Petersburg, June 2015)
- 22nd European Conference on General Thoracic Surgery (Denmark, June 2014)
- 23rd European Conference on General Thoracic Surgery (Lisbon, June 2015)
- SCTS Meeting (Manchester, March 2015)
- Uniport VATS Course (Berlin, February 2015)
- Cambridge international VATS symposium (Cambridge, November 2014)
- EACTS meeting (Milan, October 2014)
- SCTS meeting 2014 (Edinburgh, March 2014)
- Uniport VATS symposium (LaCoruna, February 2014)
- 21st European Conference on General Thoracic Surgery (Birmingham, June 2013)
- SCTS Meeting 2013 (Brighton, March 2013)
- 27th EACTS meeting 2013 (Vienna, October 2013)
- 26th EACTS meeting (Barcelona, Spain, November 2012)
- 25th EACTS (European Association for Cardiothoracic Surgery (Lisbon, Portugal October 2011)
- SCTS meeting 2012 (Manchester, March 2012)
- SCTS (Society for Cardiothoracic Surgery) in Great Britain and Ireland Annual Meeting and University Course 2011 (London Excel, London, 20th–22nd March 2011)
- 18th European Conference of General Thoracic Surgery ESTS (European Society of Thoracic Surgeons) (Valladolid, Spain, June 2010)
- SCTS (Society for Cardiothoracic Surgery) in Great Britain and Ireland Annual Meeting and University Course 2010 (Arena and Convention Centre, Liverpool, 7th -9th March 2010)
- Thoracic Surgery forum 2010 (Clare College, Cambridge, 6th February 2010)
- SCTS (Society for Cardiothoracic Surgery) in Great Britain and Ireland Annual Meeting and University Course 2009 (International Centre, Bournemouth, 22nd -24th March 2009)
- Advanced Techniques in Cardiac Surgery EACTS (European Association for Cardio-Thoracic Surgery) (Krakow, Poland, November 2008)
- The LV Remodeling (Malta, January 2005)
- The Dilatative Cardiomyopathies (Montesilvano, Pescara, Italy, April 2004)
- Congress of the Italian Society of Cardiac Surgery (Rome, Italy, December 2004)
- Arterial conduits for Myocardial Revascularization (Rome, Italy, December 2003)

