
CURRICULUM VITAE

NAME Phillip Nicholas ANTIPPA

DATE OF BIRTH 14th August 1967

NATIONALITY Australian

CONTACT DETAILS Dept. of Cardiothoracic Surgery
Royal Melbourne Hospital
Parkville
Victoria 3050
AUSTRALIA

+61 3 9342 8545 phone
+61 3 9342 8863 fax
+61 419 360 217 mobile

Email: phillip.antippa@mh.org.au

MEDICAL REGISTRATION Medical Practitioners Board of Victoria – current full registration

QUALIFICATIONS 1991 MB BS University of Melbourne
2000 FRACS Cardiothoracic Surgery

PRIZES & AWARDS 1991 Edgar & Mabel Coles Award in Obstetrics, University of Melbourne

CURRENT APPOINTMENTS

2011 - current	Honorary Clinical Senior Lecturer, Dept. of Surgery, Royal Melbourne Hospital and University of Melbourne
2005 - current	Director, Lung Cancer Services, Melbourne Health
2000 - current	Cardiothoracic Surgeon, Melbourne Health
2003 - current	Thoracic Surgeon, Peter MacCallum Cancer Centre
2002 - current	Trauma Surgeon, Melbourne Health
2002 - current	Director, Corpus Medicorum – Doctor's Orchestra
2000 - current	Cardiothoracic Surgeon, Melbourne Private Hospital
2000 - current	Cardiothoracic Surgeon, Epworth Hospital

PREVIOUS APPOINTMENTS

2000 - 2011	Lecturer & Clinical Instructor, University of Melbourne
2001 - 2004	Supervisor, Basic Surgical Training, Royal Melbourne Hospital
2001 - 2004	Honorary Secretary, Section of Surgery, Royal Melbourne Hospital
2007 - 2009	Medical Services Advisory Committee – Staging and the Diagnosis of Mediastinal Masses; Dept of Health and Ageing, Australian Government
2000	Fellowship in Cardiothoracic Surgery, University of Virginia, USA
1999	Senior Registrar, Cardiothoracic Surgery, Alfred Hospital
1997 – 1998	Registrar, Cardiothoracic Surgery, Royal Melbourne Hospital
1995 - 1996	Registrar, General Surgery, Royal Melbourne Hospital
1992 - 1994	Resident, Royal Melbourne Hospital

PROFESSIONAL MEMBERSHIPS

Fellow, Royal Australasian College of Surgeons

Member, Australasian Society of Cardiothoracic Surgeons

Member, International Association for the Study of Lung Cancer

Member, Asian Society for Thoracoscopic Lung Surgery

Member, Victorian Cancer Council Lung Group

Member, Australian Lung Foundation & Australian Lung Trials Group

Member, International Thymic Malignancy Interest Group

Member (provisional), European Society of Thoracic Surgery

CURRENT COMMITTEE MEMBERSHIPS

2013 – current	Chairman, Senior Medical Staff, Royal Melbourne Hospital
2012 - current	Post Fellowship Education and Training Sub Committee, Royal Australasian College of Surgeons
2010 - current	Definitive Surgical Trauma Management Faculty & Organising Committee
2008 - current	Medical Advisory Committee, Melbourne Private Hospital
2008 - current	Information & Specialist Services Group, Western & Central Melbourne Integrated Cancer Services
2008 - current	Head of Tumour Stream Committee, Royal Melbourne Hospital
2007 - current	Clinical & Medical Advisory Committee, Western & Central Melbourne Integrated Cancer Services
2005 - current	Trauma Subcommittee, Royal Australasian College of Surgeons
2003 - current	Lung Cancer Committee, Victorian Cooperative Oncology Group
1995 - current	Australian Doctors Orchestra, National Organizing Committee

CURRENT MELBOURNE HEALTH COMMITTEE MEMBERSHIPS

2000 – current	Senior Medical Staff
2000 – current	Section of Surgery
2000 – current	Section of Surgery Education & Standards Subcommittee

CURRENT VICTORIAN COMPREHENSIVE CANCER CENTRE COMMITTEE MEMBERSHIPS

2010 - current	Chair, Uro-Oncology Tumour Stream Sub-Committee
2009 - current	Information & Medical Technology Subcommittee
2008 - current	Clinical Services Working Group
2008 - current	Member, Lung Tumour Stream Sub-Committee

PRIOR COMMITTEE MEMBERSHIPS

2012 - 2014	Executive Organising Committee, Annual Scientific Congress, Royal Australasian College of Surgeons
2001 - 2006	Consultative Committee on Road Traffic Fatalities, Victorian Institute of Forensic Pathology

PHARMACEUTICAL & PROSTHETIC ADVISORY BOARDS

International

2006 – current Johnson & Johnson Thoracic Advisory Board

National

2007 – current Astra Zeneca Lung cancer Medical Advisory Board

EDUCATION AND TRAINING

1994 Early Management of Severe Trauma

1986 – 1990 Bursary in Music (Viola), Conservatorium of Music, University of Melbourne

TEACHING

2007 – current Instructor & Australasian Representative, VATS Lobectomy training. Centre of Excellence, Ethicon Endosurgery

2004 - current Instructor, Definitive Surgical Trauma Care, RACS

2000 - current Supervisor, Dept Cardiothoracic Surgery Resident staff, Royal Melbourne Hospital

2000 - current Medical Students, University of Melbourne & Royal Melbourne Hospital

TEACHING SESSIONS

- 2014 - Clinical Oncology Society of Australia
- Training weekend, November 2014
- 2013 - Visiting medical adviser, Australian National Academy of Music
- March 2013
 - March 2014
- 2004 - Instructor, Definitive Surgical Trauma Course (DSTC), RACS
- November 2014, Melbourne
 - March 2014, Adelaide
 - November 2013, Melbourne
 - November 2012, Melbourne
 - November 2011, Melbourne
 - November 2010, Melbourne
 - February 2010, Melbourne
 - November 2009, Melbourne
 - November 2008, Melbourne
 - November 2007, Melbourne
 - November 2006, Melbourne
 - November 2004, Melbourne

PUBLICATIONS:

1. Wong AN, Siva S, Manser R, Dowling R, **Antippa P**, Chin K, Mileschkin LR. Differential kinetics of response and toxicity using stereotactic radiation and interventional radiological coiling for pulmonary arterio-venous shunting from metastatic leiomyosarcoma. *Journal of medical imaging and radiation oncology*, [epub] 2015
2. Weeden C, Holik A, Young R, **Antippa P**, Irving L, Fox S, Solomon B, Asselin-Labat ML. Patient-derived xenograft models of lung squamous cell carcinoma to evaluate novel targeted therapy. 2015
3. Taverner J, Cheang MY, **Antippa P**, Irving LB, Steinfert DP. Mediastinal staging in NSCLC – a comparison of outcomes following sampling via surgery and EBUS-TBNA. 2015
4. Matheson J, Lohn J.W, Macgill K, **Antippa P**. Intrathoracic tissue expanders for postpneumonectomy syndrome. *Journal of Plastic, Reconstructive & Aesthetic Surgery* 2014, 67(12): 1764-1765.
5. Taverner J, Mun Yoong C, Mehta M, **Antippa P**, Irving L, Steinfert D. What is the rate of surgical upstaging following negative EBUS-TBNA of mediastinal lymph nodes for NSCLC? [poster – World Conference on Lung Cancer] 2014
6. Mun Yoong C, Herle P, Mehta M, **Antippa P**. The efficacy of VATS versus open thoracotomy: A systematic review. [poster – World Conference on Lung Cancer] 2014
7. Zhang B, Wong H, Gundawardana D, Parente P, de Boer R, Barling A, Antippa P, Wong R. Adjuvant chemotherapy in resected stage IB-III non-small cell lung cancer. *Journal of thoracic oncology*, 2014;9(9):S7-S52
8. Pattison D, Westcott J, Ajani A, **Antippa P**, Joshi S, Lui E, Langenberg F, Better N. Intracoronary ^{99m}Tc-Sestamibi single photon emission computed tomography/computed tomography for preoperative evaluation of at-risk myocardium. *Circulation* 2013;128:567-570
9. Wong H, Zhang B, de Boer R, Parente P, **Antippa PN**, Gunawardana D, Barling A, Wong R. Patterns of recurrence following surgical resection of stage I-III non-small cell lung cancer (NSCLC) [poster – World Conference on Lung Cancer] 2013
10. Zhang B, Wirth A, Wong R, Parente P, Gunawardana D, de Boer R, **Antippa PN**, Barling A, Wong H. Brain metastases following surgical resection of stage I-III non-small cell lung cancer (NSCLC). [poster – World Conference on Lung Cancer] 2013
11. Pattison D, Westcott J, Ajani A, **Antippa P**, Joshi S, Lui E, Langenberg F, Better N. Intracoronary ^{99m}Tc-Sestamibi Single Photon Emission Computed Tomography/Computed Tomography for Preoperative Evaluation of At-Risk Myocardium. *Circulation* 2013;128:567-570
12. Tay JH, Irving L, **Antippa P**, Steinfert DP. Radial probe endobronchial ultrasound: Factors influencing visualization yield of peripheral pulmonary lesions. *Respirology* 2013 Jan; 18(1):185-190
13. Herle P, Cheang M, **Antippa P**. Pulmonary metastasectomy by VATS or open thoractomy: A systematic review and meta-analysis of long-term outcomes. *Journal of Cardiothoracic Surgery*. 2013; 8(suppl 1):O242002E
14. Mileschkin L, **Antippa P**, Schofield P. Stories of the music of hope. *Medical Journal of Australia* 2012;196(4):276-7

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15. Wainer Z, Daniels MG, Callahan J, Binns D, Hicks RJ, **Antippa P**, Russell PA, Alam NZ, Conron M, Solomon B, Wright GM. Sex and SUVmax: sex-dependent prognostication in early non-small cell lung cancer. *Journal of nuclear medicine*. 2012 Nov; 53(11):1676-85.
 16. Hannan LM, Joosten SA, Steinfort DP, **Antippa P**, Irving LB. The pneumonectomy syndrome. *Thorax Epub*. 2012 Jul;67(7):656-7
 17. Bhagwat B, Hallam J, **Antippa P**, Larobina M. Diagnostic enigma: primary pulmonary artery sarcoma. *Interactive CardioVascular and Thoracic Surgery* 2012 Mar;14(3):342-4
 18. Steinfort DP, Heinz S, Vincent J, **Antippa P**, Irving LB. Comparative effectiveness of radial probe endobronchial ultrasound versus CT-guided needle biopsy for evaluation of peripheral pulmonary lesions: a randomized pragmatic trial. *Respir Med*. 2011 Nov; 105(11):1704-11.
 19. Campbell N, Richardson M, **Antippa P**. Biomechanical Testing of Two Devices for Internal Fixation of Fractured Ribs. *The Journal of Trauma* 2010;68(5):1234-8.
 20. Khor Y, Steinfort D, Buchanan M, Gunawardana D, **Antippa P**, Irving L. A 69-year-old smoker with mediastinal and hilar lymphadenopathy. *Thorax* 2010;65(2):132.
 21. Steinfort D, Conron M, Tsui A, Pasricha S, Renwick W, **Antippa P**, Irving, L. Endobronchial ultrasound-guided transbronchial needle aspiration for the evaluation of suspected lymphoma. *Journal of Thoracic Oncology* 2010;5(6):804-9
 22. Theodore S, Liava'a M, **Antippa P**, Wynne R, Grigg A, Slavin M, et al. Surgical management of invasive pulmonary fungal infection in hematology patients. *Annals of Thoracic Surgery* 2009;87(5):1532-8.
 23. Campbell N, Conaglen P, Martin K, **Antippa P**. Surgical stabilization of rib fractures using Inion OTPS wraps--techniques and quality of life follow-up. *Journal of Trauma* 2009;67(3):596-601.
 24. Steinfort D, Smallwood D, **Antippa P**, Irving L. Endobronchial extension of granulomatous lymphadenitis in an HIV-positive man with immune reconstitution syndrome. *Respirology* 2009;14(7):1064-66.
 25. Luthra S, **Antippa P**, Tatoulis J. Pulmonary arteriovenous aneurysm as manifestation of Osler-Weber-Rendu syndrome. *Heart Lung Circ* 2008;17(4):336-9.
 26. Steinfort D, **Antippa P**, Irving L. Endobronchial Colorectal Metastasis: Case Report and Review of the Literature. *Journal of Bronchology & Interventional Pulmonology* 2008;15(1):46.
 27. Steinfort D, **Antippa P**, Irving L. A case of very persistent asthma. *Journal of Asthma* 2008;45(9):827-27.
 28. **Antippa P**, Cardiac Trauma invited article Cardiology in General Practice, Vol.3 February 2008
 29. Koh M, Tee A, Wong P, **Antippa P**, Irving L. Advances in lung cancer diagnosis and staging: endobronchial ultrasound. *Internal Medicine Journal* 2007;38(2):85-89.
 30. Campbell NA, **Antippa PN**. Solitary fibrous tumour of the pleura. *Heart Lung Circ* 2006;15(6):400-1.
 31. Barnes C, Hogan C, **Antippa P**, Tuckfield A. Penetrating injury to the heart in a patient with haemophilia. *Haemophilia* 2004;10(1):101.

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32. Jones D, Stiles B, Denlinger C, **Antippa P**, Daniel T. Pulmonary segmentectomy: results and complications. *The Annals of Thoracic Surgery* 2003;76(2):343.
 33. Purser S, **Antippa P**. Maneuver to assist examination of the hypopharynx. *Head Neck* 1995;17(5):389-93.

INVITED ORAL PRESENTATIONS AT NATIONAL AND INTERNATIONAL SCIENTIFIC MEETINGS:

- 2015 Moderator, “Meet the Expert”; Point of View Debate “Conventional VATS vs 2-port VATS vs. Single-port VATS, 3rd Asian Single-port VATS Symposium, **Hong Kong**
- 2014 Clinical Oncology Society of Australia, **Melbourne**
- 2014 “Shine a Light” Lung Cancer Awareness Event, **Melbourne**
- 2014 Chest trauma management (incl. rib fixation), Trauma Training Evening, Royal Melbourne Hospital, **Melbourne**
- 2014 Abstract Orals, Australia Lung Cancer Conference, **Brisbane – Session Chairman**
- 2014 Faculty Member and Instructor, Definitive Surgical Trauma Care Course, Epworth Healthcare **Melbourne**
- 2014 Member of Executive, ASC at RACS Annual Scientific Meeting, **Singapore**
- 2014 Thoracic Advisory Board (Asia Pacific), Tokyo, **Japan**
- 2014 Meet the Experts, Japan Association of Chest Surgery, Tokyo, **Japan**
- 2014 Management of thoracic and chest trauma. Hokkaido Trauma Conference, **Japan**
- 2014 Lung Cancer in Australia. Presentation to Dept. of Cardiothoracic Surgery, St Mary’s Catholic Hospital, Seoul, **South Korea**
- 2013 Cancer Series Education Lecture and Training Series (three parts), University of Melbourne Clinical School, **Melbourne**.
- 2013 Faculty Member and Instructor, Definitive Surgical Trauma Care Course, Epworth Healthcare **Melbourne**.
- 2012 Abstract Orals - Treatment Radiotherapy/Surgery Australian Lung Cancer Conference **Adelaide– Session Discussant**
- 2012 Faculty Member and Instructor, Definitive Surgical Trauma Care Course, **Melbourne**
- 2012 Scientific Papers session – Radiotherapy at the Cutting Edge Australian Lung Cancer Conference **Adelaide– Session Chariman**
- 2012 Pulmonary Metastatectomy – advanced techniques for a well-established procedure CS10 RACS Annual Scientific Meeting, Kuala Lumpur **Malaysia – Preferred Paper**
- 2011 Multi Disciplinary Approach to Lung Cancer and the Role of Informatics ASCVTS-ATCSA Conference Phuket, **Thailand – Invited Speaker**
- 2010 Bridge to Pure VATS Lobectomy: Hybrid Technique, VATS Lobectomy Symposium Samsung Medical Centre, Seoul, **Korea**
- 2009 Hybrid VATS Lobectomy, Ethicon VATS TAB Symposium, **Singapore**
- 2009 Surgery for Stage 3A Lung Cancer. International Lung Cancer Symposium, Peter MacCallum Cancer Centre, **Melbourne**
- 2009 Updates in Lung Cancer, Lung Cancer Symposium. Hume Integrated Cancer Service, Albury NSW
- 2009 Update in VATS Surgery Techniques, Cardiothoracic Nursing Conference, Royal Melbourne Hospital, **Melbourne**

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- 2009 Chest Wall Trauma: An Overview. Annual Scientific Congress, Royal Australasian College of Surgeons **Brisbane**
- 2008 Surgery for Malignant Pleural Effusions, Internal Fixation of Rib Fractures: A Novel Technique, Annual Scientific Congress, Royal Australasian College of Surgeons, **Hong Kong**
- 2008 Airway Trauma: Blunt and Penetrating Injuries and Solutions. Internal Fixation of Rib Fractures: a Novel Approach, Hokkaido Trauma Conference, Rusutsu Hokkaido **Japan – Invited Speaker**
- 2007 Penetrating Injuries to the Chest: our Experience, Hokkaido Trauma Conference, Rusutsu Hokkaido **Japan – Invited Speaker**
- 2007 Tailored Solutions for Cancer Informatics efficient & expandable, 34th Annual Scientific Meeting Clinical Oncological Society of Australia, **Adelaide**
- 2007 Thoracic Surgery Overview, Cardiothoracic Nursing Conference, Royal Melbourne Hospital, **Melbourne**
- 2005 Thoracic Surgery Overview, Cardiothoracic Nursing Conference, Royal Melbourne Hospital, **Melbourne**
- 2005 Investigating Lung Lesions, Lung Cancer Seminar, Melbourne Private Hospital, **Melbourne**

PROJECT SUPERVISION:

- 2014 Bachelor of Medical Science, Clinical Exposure program supervision of Indonesian students, University of Melbourne
- 2013 Advanced Medical Studies (AMS) Undergraduate Program, University of Melbourne
- 2010 Is there an Advantage in Staging Lung Cancer in Patients that Present with Cerebral Metastases? Cheang Mun Yoong, **Phillip Antippa**
- 2010 Factors Predicting Yield in Diagnosis of Peripheral Pulmonary Lesions using Endobronchial Ultrasound techniques. Alan Jun Hoe Tay, **Phillip Antippa**
- 2009 Virtual Bronchoscopy – A Working Model to Guide EBUS Biopsy in the Lung. John Newton, **Phillip Antippa**
- 2008 Spontaneous Pneumothorax: Predicting Recurrences & Histological Analysis. Nisal Kalhara Perera, **Phillip Antippa**
- 2007 Best Palliative Management of Malignant Pleural Effusions and Other Factors Contributing to Dyspnoea. Steve Lau, **Phillip Antippa**
- 2006 Biomechanical Testing of Two Devices for Rib Fracture Fixation. Nicole Campbell, **Phillip Antippa**, Martin Richardson
- 2005 Rib Fractures: A Prospective Pilot Study of Pain & Quality of Life Outcomes in Hospital Management Vi Hoang Kieu, **Phillip Antippa**, Martin Richardson, Laurence Simpson, Caroline Brand, Malcolm Hogg, Adrian Lowe
- 2005 A New Look at Fractured Ribs: Radiological Patterns of Rib Fracture. Darren Wong, **Phillip Antippa**, Martin Richardson, Stefan Heinze, Caroline Brand, Adrian Lowe
- 2004 Management of Multiple Rib Fractures and Flail Chest Injury: Considerations for Surgical Management. Angus Lee Chun Hin, **Phillip Antippa**, Martin Richardson, Laurence Simpson
- 2003 Effective Management of Significant Chest Wall Injury After Blunt Chest Trauma. Myles Sutton, **Phillip Antippa**, Martin Richardson, Laurence Simpson

PROFESSIONAL ACHIEVEMENTS:

Lung Cancer

1. Establishment of the Melbourne Health Multidisciplinary Lung Cancer service
2. Establishment of a Lung Cancer Informatics system
3. Establishment of the Lung Cancer Research Collective
4. Establishment of Endobronchial Ultrasound (EBUS) at Royal Melbourne Hospital and Melbourne Private Hospital
5. Establishment and promotion of Minimally Invasive Surgical Techniques and Video Assisted Thoracoscopic Surgery including Lung Resection
6. Establishment of Surgical Fellowship Programme in Thoracic Surgery, Royal Melbourne Hospital

Trauma Services

1. Involvement in the establishment of Trauma Services at Royal Melbourne Hospital especially with specialist Thoracic input and teaching.
2. Introduction of novel techniques in Chest Wall Surgical Fixation involving Rib and Sternal open reduction and internal fixation.

Music & Philanthropy

1. Establishment of Corpus Medicorum in 2002 raising over \$750,000
2. Installation of a comprehensive music system in the Hospital's Operating Suite to benefit patients and staff.
3. "Music & Medicine – tales of a well-tuned scalpel"
Royal Melbourne Hospital 2010 Public Oration

Grants and Funding Establishment

1. Lung Cancer Research Assistant
Royal Melbourne Hospital
2014

\$53,000

Covidien

2. Thoracic Surgery Fellowship
Royal Melbourne Hospital
2014 – 2015

\$160,000

Johnson & Johnson (Ethicon Endosurgery)

3. Establishment of Thoracic Surgery Fellowship
Royal Melbourne Hospital
2011 – 2013

\$180,000

Johnson & Johnson (Ethicon Endosurgery)

4. Thoracic Surgery Fellowship (part-time)
Royal Melbourne Hospital
2008 – 2010

\$90,000

Johnson & Johnson (Ethicon Endosurgery)

5. Lung Cancer Informatics Project – establishment of patient Informatics and
comprehensive Database tool
Royal Melbourne Hospital
2007

\$35,000

Victorian Integrated Cancer Services & Eli Lilly

6. Equipment Purchase – Emergency Cardiothoracic Operating Equipment
Royal Melbourne Hospital
2004

\$24,000

Fundraising through Charitable Activity – Corpus Medicorum

7. Operating Theatres – Comprehensive Music Broadcasting Systems
Royal Melbourne Hospital
2008

\$54,000

Fundraising through Charitable Activity – Corpus Medicorum

Clinical & Professional Summary

Over the last ten years I have been heavily committed to the establishment and running of the Royal Melbourne Hospital's Multidisciplinary Lung Cancer Service. This is my main clinical endeavour and also the focus of my clinical teaching and medical research.

The Lung Cancer Service is the busiest Tumour Stream at the royal Melbourne Hospital. The Royal Melbourne Hospital treats more patients than any other hospital in Australia. Over 1,200 patients with Lung Cancer, other malignancies of the Chest including Mesothelioma, Pulmonary Metastatic cancers as well as investigative procedures for possible malignancies of the Chest pass through our service per year.

The establishment and maintenance of this considerable body of clinical work has required a significant amount of time and personal energy as well as dedication and commitment to our patients, staff and institutions. The Royal Melbourne Hospital Lung Tumour Stream is a leader in Australia in best practice for the treatment of malignancies of the Chest. Our Service model has been adopted widely now across other multidisciplinary teams within the hospital and across the country.

Specifically I have achieved as the Head of the Tumour Stream, the following major steps for advancement of Multi Disciplinary Care in Lung Cancer:

1. establishment of a **team of experts** in all areas of Multi Disciplinary Care including Thoracic Surgery, Respiratory Medicine, Medical and Radiation Oncology, Radiology, Pathology and Nursing Care.
2. establishment of a full-time **Liaison Nursing position** for efficient and expedient patient management
3. creation of a comprehensive **Information Technology system** which collates all patient care information to enable efficient patient management. This system is used to run the weekly Multi Disciplinary Meeting, Ward Round and is critical in the day-to-day patient treatment liaison. This system is available externally to our treatment partners in our affiliated hospitals and regional areas.
4. establishment of advanced Bronchoscopy Services. **EndoBronchial Ultrasound (EBUS)** now plays a pivotal role in modern diagnosis pathways for Lung Cancer. The Royal Melbourne Hospital was the second unit in Australia to establish this and is now a quaternary referral centre for this service.
5. establishment of a **Thoracic Surgery Fellowship** for the teaching of advanced surgical training and principles of Surgical Oncology
6. development of a **Centre of Excellence for Minimally Invasive Thoracic Surgery** especially in advanced Pulmonary Resections
7. establishment and maintenance of **Tissue Banking and Bioinformatics** in collaboration with the Victorian Cancer Agency and the Victorian Cancer Bank.
8. promotion of **clinical research** with direction of numerous Advanced Medical Studies projects for Medical Students, supervision of clinical projects for Junior and Senior trainees and support for PhD studies in EndoBronchial Ultrasound.

I am strongly affiliated with partner institutions in the promotion of excellence of Lung Cancer Care. I am on staff at Peter MacCallum Cancer Centre and visit Epworth Hospital, Melbourne Private Hospital, Freemasons East Melbourne and John Fawkner Private Hospital.

Finally, I am heavily involved in the establishment of the Victorian Comprehensive Cancer Centre. I currently am a member of the Clinical Services Working Group as well as represent both the Royal Melbourne Hospital and Peter MacCallum Cancer Centre on the Lung Tumour Stream Sub-Committee. I also am the Chair of the Uro-Oncology Sub-Committee.

My vision for continued excellence in the treatment of Lung Cancer includes ongoing support for Clinical, Education and Research activities plus promotion of novel and creative solutions for patients with Lung Cancer.

Service Role Summary – Thoracic Surgery, Royal Melbourne Hospital

Clinical Practice:

Adult Cardiac and Thoracic Surgery with a major interest in General Thoracic Surgery including Cancer Surgery, Minimally Invasive VATS and Robotic Surgery, Trauma Surgery, Advanced Bronchoscopy and Airway laser and Stenting, Oesophageal Surgery in a supportive role with Upper GI Surgery, Benign Diseases of the Thorax

Multi-Disciplinary Clinics and Meetings

Operative Sessions:	9 sessions per fortnight
MD Clinics:	7 sessions per fortnight
MD Clinical Meetings:	7 one hour per fortnight
Unit Business Meetings:	3 one hour per fortnight

Educational Activity:

Supervision, teaching and mentoring of Thoracic Fellow, Surgical Registrars and Resident staff, Medical Student teaching on a daily basis formally whilst operating and informally on Ward Rounds and in meetings

Formal monthly lectures to Medical Students, Surgical Residents and Nursing Staff

Research Activity:

Supervision of Research papers by Fellow, Registrars and Resident staff: 1-3 hours per week

Guidance and Correction of Data Entry processes with Research and Database Assistance: 1-2 hours per week

Writing, correcting and reviewing research papers: 1-2 hours per week

General Reading: 1 hour per week

Administrative Duties:

Management and Leadership of The Royal Melbourne Lung Cancer Service involving direct patient care and coordination of care with Nursing Liaison and Thoracic Fellow including preparation for MD Meeting. This includes the finalisation of MDM recommendations with dissemination to referring and other treating specialists of patient care. Management of this process requires significant time and vigilance to maintain the highest standard of patient care. Efficient processes are integral to delivering rapid diagnoses and staging information to implement best treatment practices. Constant review with audit and database management is performed.

Thoracic Surgery at The Royal Melbourne Hospital requires supervision in clinical delivery of service without professional intrusion. Maintenance of equipment and instrumentation as well as policy and procedure in the operation theatres and post-operative ward are essential.

Hospital Committees:

- Senior Medical Staff association
- Dept Surgery meetings
- Medical Advisory Committee
- Numerous VCCC Steering Committees
- Enterprise Billing Solution (EBS) sub-committee
- Tumour Stream C&RMIS Project Steering Committee

Service Role Summary – Thoracic Surgery, Royal Melbourne Hospital (cont...)

Achievements:

Modernisation of Thoracic Surgery - consolidation, modernisation and advancement of Thoracic Surgery as a sub-specialty in Cardiothoracic Surgery including the introduction of:

- Minimally Invasive Surgery including VATS Lobectomy, VATS Pneumonectomy, VATS Segmentectomy and Robotic Surgery
- Chest Wall Osteosynthesis (Rib Fracture Fixation) using novel instrumentation and new device techniques
- Pulmonary Metastatectomy involving Minimally invasive techniques and image guidance
- Electronic Thoracic Drainage Systems in 2015 involving a trial measuring efficacy and outcome was instigated with the aim of improving post-operative surgical care and decreasing length of stay

Nurse Liaison full-time position - establishment of this critical role in patient management in 2005

Multi-Disciplinary Lung and Thoracic Cancers Group - establishment and consolidation from 2000

Informatics System for Lung Cancer - writing and funding comprehensive informatics system for Thoracic Malignancies and Thoracic Surgery in 2006-2008 including re-writing and re-edit 2014-2015

Thoracic Surgery Fellowship position for senior FRACS or suitable overseas Thoracic Surgical Trainee including total funding through industry and philanthropy established in 2009

Endobronchial Ultrasound (EBUS) - establishment of new technology in 2008 at neighbouring Melbourne Private Hospital and training support for Respiratory Physicians with establishment at RMH 2010

Database & Research Assistant - establishment of a new position to update database and provide research assistance to research projects utilising captured data funded by industry and philanthropy in 2012

Research Tissue Bank - establishment of this crucial link to translational research occurred in 2009 with partners at WEHI and University of Melbourne

Philanthropy and Community Profiling - establishing of Corpus Medicorum - a Doctors Orchestra founded in 2003 and has performed over 35 concerts including a highly acclaimed international tour to St Petersburg, Federation of Russia in 2014 on behalf of the City of Melbourne. Funds raised during this time period are now in excess of \$750,000 and have purchased emergency surgical equipment and the installation of a sophisticated sound PA system for the entire theatre complex. Funds are now raised specifically for Lung Cancer Research activity (see above)

Works in Progress:

VCCC Thoracic Surgical Service - establishment and consolidation of a sub-specialised Thoracic Surgical Service as a part of the Royal Melbourne Hospital Cardiothoracic Surgery Unit. This Service will combine all Thoracic Surgery performed at Royal Melbourne Hospital and Peter MacCallum Cancer Centre under the umbrella of the Victorian Comprehensive Cancer Centre at Parkville. This will bring together the sub-specialised Thoracic Surgeons of both institutions as well as encourage those mixed practice Cardiothoracic surgeons to benefit from an improved multi-disciplinary process.

Re-structuring of Fellow positions, Registrar and Residents positions as well as application to RACS for a specialist trainee endorsed by the College is occurring. This will also include changes to consultant on-call practices.

Discussions are ongoing as to the best expansion of the post-operative care arrangements.

RMH Thoracic Surgery Research Collaborative - establishment of this entity is beginning with rebuild of database and funding for the Research Assistant position. This will enable and encourage both retrospective and prospective research projects to eventuate with specific grant applications in mind. Strong links exist with translational groups such as WEHI and University of Melbourne

Thoracic Surgical expansion with appointment of 2 new Thoracic sub-specialised surgeons is necessary. Funding discussions with industry and hospital are underway to explore new remuneration possibilities.