

DR. BEN DUNNE MB, BCH, BAO, MRCS, MS, FRACS

Phone: 0406317426
bendunne@icloud.com

5002/464 Collins St
Melbourne, VIC, 3000

QUALIFICATIONS

- 2020** **Certification in Robotic Thoracic Surgery – AATS/Intuitive Surgical**

- 2018** **Fellowship in Cardiothoracic Surgery (FRACS)**
Royal Australasian College of Surgeons

- 2016** **Masters of Surgery (MS)**
University of Western Australia
Thesis: Right Ventricular Outflow Tract Reconstruction

- 2014** **Cardiothoracic Specialty Specific Exam**
Royal Australasian College of Surgeons

- 2013** **Surgical Primary Exam**
Royal Australasian College of Surgeons

- 2012** **Membership of Royal College of Surgeons (MRCS) Exam**
Royal College of Surgeons in England

- 2011** **ECFMG Certification**
USMLE Step 1
USMLE Step 2 Clinical Knowledge
USMLE Step 2 Clinical Skills

- 2011** **Certificate in Anatomy**
University of Northumbria

- 2011** **Medical Council of Canada Qualifying Exam 1**

- 2010** **Medical Council of Canada Evaluating Exam**

- 2010** **Certificate in Postgraduate Medical Education**
University of Dundee

- 2008** **Bachelor of Medicine & Bachelor of Surgery (MB, BCh, BAO)**
Royal College of Surgeons in Ireland
(Graduated with 1st class honours degree & placed 2nd overall in graduating year 2008)

CLINICAL EXPERIENCE

May 2020 – ongoing	Consultant Thoracic Surgeon Royal Melbourne Hospital Peter MacCallum Cancer Centre	Melbourne, Australia
June 2019 - April 2020	General Thoracic/Robotic Fellow Toronto General Hospital	Toronto, Canada
July 2018 – June 2019	Lung Transplant/ECMO Fellow Toronto General Hospital	Toronto, Canada
Feb 2016 – Feb 2018	Cardiothoracic Trainee Princess Alexandra Hospital	Brisbane, Australia
Feb 2015 – Feb 2016	Cardiothoracic Trainee Westmead Children’s Hospital Sydney Children’s Hospital	Sydney, Australia
Feb 2013 – Feb 2015	Cardiothoracic Trainee Royal Perth Hospital	Perth, Australia
July – Jan 2013	Cardiology Registrar Royal Perth Hospital	Perth, Australia
Feb – July 2012	Respiratory/Lung Transplant Registrar Royal Perth Hospital	Perth, Australia
Aug – Jan 2012	General Surgery Registrar Fremantle Hospital	Perth, Australia
Jan – July 2011	Intensive Care Registrar Royal Perth Hospital	Perth, Australia
June 2010 – Jan 2011	Cardiothoracic Registrar Royal Perth Hospital	Perth, Australia
Sep 2009 – June 2010	Resident Royal Perth Hospital	Perth, Australia
July 2008 – July 2009	Intern James Connolly Hospital	Dublin, Ireland

ResearchGate Score: 25.2

Grants and Funding

- Dec 2014 **Functional and cellular Outcomes in porcine hearts after Reanimation post Explant using Custodiol, ALM or St Thomas' preservation (FORECAST Study)**
Royal Perth Hospital Medical Research Foundation Grant
- Feb 2015 **Functional and cellular Outcomes in porcine hearts after Reanimation post Explant using Custodiol, ALM or St Thomas' preservation (FORECAST Study)**
ANZSCTS Frank Rosenfelt Grant

Reviewer for Academic Journals

- March 2018 **Canadian Medical Association Journal**
- Dec 2015 **The Journal of Thoracic Diseases**
- Oct 2015 **Heart, Lung and Circulation**

Book Chapters

- November 2019 **Anterior Approach to Pancoast Tumors,**
Pearson's Thoracic and Esophageal Surgery 4th Edition
- September 2019 **Does ECMO for lung failure in ICU patients improve survival?**
Difficult Decisions in Thoracic Surgery 4th Edition

Ongoing Research

- Feb 2019 **Single Lung Transplant With A Rejected Contralateral Lung – Improving Safety In The Era Of Ex-Vivo Perfusion**
Retrospective series – accepted for oral presentation at ISHLT 2020
- Oct 2018 **The Role of Electrical Impedance in Ex Vivo Lung Perfusion**
Preclinical porcine model
- Aug 2018 **Lung Transplantation Using Donors Over 70 Years of Age – Further Extending the Criteria.**
Initial presentation at AATS 2019

Publications in Peer Reviewed Journals

- July 2020 **Deceased-donor lobar lung transplant: A successful strategy for small sized recipients**
JTCVS. In Press
- June 2020 **Bilateral Lung Transplantation After Tracheobronchoplasty for Mounier-Kuhn Syndrome**
JTCVS Techniques. In Press
- Aug 2019 **Preoperative ECMO And Plasmapheresis for Urgent Pulmonary Endarterectomy in HIT Positive Patient .**
Tahiri M., Bykova A., Dunne B., Barth D. et al
Annals of Thoracic Surgery 2019 In Press
- Feb 2019 **Homografts Versus Stentless Bioprosthetic Valves in The Pulmonary Position: A Multicentre Propensity-Matched Comparison in Patients Younger Than 20 Years.**
Marathe S., Bell D., Betts K., Sayed S., Dunne B., Ward C., Whight C., Jalali H., Venugopal P., Andrews D., Alphonso N.
European Journal of Cardio-Thoracic Surgery 2019 In Press
- July 2018 **The Practicalities of Establishing A Porcine Isolated Heart Model**
Pavey W., Rasis A., Dunne B., Van Laeken E., Jenkinson C., Vincent V., Baird P., Prince S., Ho KM., Merry C., Gilfinnan I.
Perfusion 2018 33;5;363-366
- August 2016 **Successful 2,000 Km International Transfer of a 10-Month Old Infant on Extracorporeal Membrane Oxygenation for Severe Respiratory Failure**
Brown, K., Dunne, B., Festa, M. et al.
The Annals of Thoracic Surgery, 102(2), e131-e133
- April 2016 **Fatal Acute Appendicitis in a Neonate with Congenital Heart Disease**
Dunne, B., Brown, K. G., Sholler, G., et al.
World Journal for Pediatric and Congenital Heart Surgery, 8(3), 411-413

- Dec 2015 **Medium-term Outcomes after Pulmonary Valve Replacement with the Freestyle Valve for Congenital Heart Disease: A Case Series**
Dunne, B., Suthers, E., Xiao, P., Xiao, J., Litton, E., & Andrews, D.
European Journal of Cardio-Thoracic Surgery, 49(5), e105-e111
- Nov 2015 **Sternal Cables Are Not Superior to Traditional Sternal Wiring in Preventing Deep Sternal Wound Infections**
Dunne, B., Murphy, M., Skiba, et al.
Interactive Cardiovascular and Thoracic Surgery, 22(5), 594-598
- Nov 2015 **Surgical Results and Outcomes Following Reimplantation for the Management of Anomalous Aortic Origin of the Right Coronary Artery**
Law, T., Dunne, B., Stamp, N., et al.
The Annals of Thoracic Surgery, 102(1), 192-198
- July 2015 **Penetrating Cardiac Injury Managed Without Surgery but With Systemic Heparinisation**
Dunne, B., Tan, D., Ihsdayhid, A., et al.
Heart, Lung and Circulation, 24(12), e210-e213
- Feb 2015 **Transapical vs Transaortic TAVI – A Systematic Review**
Dunne, B., Tan, D., Chu, D., et al.
The Annals of Thoracic Surgery, 100(1), 354-361
- Jan 2015 **The Freestyle Valve as a Right Ventricle to Pulmonary Artery Conduit**
Dunne, B., Suthers, E., Andrews, D.
Heart, Lung and Circulation, 23(1), e53-e54
- Nov 2014 **Mechanical Prostheses for Right Ventricular Outflow Tract Reconstruction – A Systematic Review and Meta-Analysis**
Dunne, B., Xiao, A., Litton, E., et al.
The Annals of Thoracic Surgery, 99(5), 1841-1847
- Oct 2014 **Aortic Pseudo-Aneurysm Eroding Through Anterior Chest Wall**
Dunne, B., Edwards, M.
The Annals of Thoracic Surgery, 99(3), 1083
- June 2014 **Extracorporeal Rewarming in the Management of Accidental Deep Hypothermic Cardiac Arrest: A Systematic Review of the Literature.**
Dunne, B., Christou, E., Duff, O., et al.
Heart, Lung and Circulation, 23(11), 1029-1035
Nominated for Best Review Article 2014
- Jan 2014 **Infective Endocarditis**
Dunne B, Marr T, Kim D, et al.
Heart, Lung and Circulation, 23(7), 628-635
- Nov 2013 **Custodiol For Myocardial Protection and Preservation: A Systematic Review**
Edelman, J. J. B., Seco, M., Dunne, B., et al.
Annals of Cardiothoracic Surgery, 2(6), 717

- Sept 2013 **Systematic Review Protocol: Single-Dose Histidine-Tryptophan-Ketoglutarate vs. Intermittent Crystalloid or Blood Cardioplegia**
Edelman, J. J. B., Seco, M., Dunne, B., et al.
Annals of Cardiothoracic Surgery, 2(5), 677
- Oct 2012 **Chronic Thrombo-Embolic Pulmonary Hypertension: Treat the Patient Not the Haemodynamics**
Dunne, B., van den Broek, A., Williams, V., et al.
Case Reports in Pulmonology, 2012
- Sept 2012 **Rare Disease: Simultaneous Bilateral Elbow Dislocation with Bilateral Medial Epicondyle Fractures in a 13-Year-Old Female Gymnast with Hyperlaxity**
Bauer, S., Dunne, B., Whitewood, C.
BMJ Case Reports, 2012
- July 2012 **Aortic Root Replacement for Ascending Aortic Disease: A 10 Year Review**
Dunne, B., Marr, T., Andrews, D., et al.
Heart, Lung and Circulation, 22(2), 81-87.
- Sept 2011 **Successful Use of Factor VIIa to Control Life-threatening Post-Operative Haemorrhage in a Patient on Extra-Corporeal Membrane Oxygenation**
Dunne, B., Xiao, P., & Andrews, D.
Heart, Lung and Circulation, 21(4), 229-230
- July 2011 **Interns as Teachers of Medical Students: A Pilot Programme**
Dunne, B., Smyth, P., Furlong, H., et al.
Irish Journal of Medical Science, 180(1), 211-214
- August 2010 **Eosinophilic Gastroenteritis**
Dunne B, Brophy S, Tsang J, et al.
Gut, 59(3), 417-417
- August 2009 **Preparing for Internship**
Dunne B, Sreenan S.
Irish Medical Journal, 102(7), 236-237

Presentations to Learned Societies

- June 2019 **Photographic Assessment of Donor Lungs – A Useful Adjunct**
Oral presentation at ESTS 2019
- June 2019 **Lung Donation in Patients with Previous Cardiac Surgery – Feasible and Safe**
Poster presentation at ESTS 2019
- April 2019 **Lung Transplantation Using Donors Over 70 Years of Age – Further Extending the Criteria.**
Oral presentation at AATS 2019
- Nov 2015 **Update on the FORECAST Study: Functional and cellular Outcomes in Porcine hearts after Reanimation post Explant using Custodiol, ALM or**

St Thomas' preservation (FORECAST Study)

Oral presentation at ANZSCTS 2015

Adelaide, Australia

- Nov 2015 **Sternal Cables are Not Superior to Sternal Wiring – A Randomised Controlled Trial**
Oral presentation at ANZSCTS 2015 Adelaide, Australia
Nominated for Young Achievers Award
- Nov 2015 **My Son Has D-TGA – An Update of Transposition of the Great Arteries**
Oral presentation at ANZSCTS 2015 Adelaide, Australia
- Nov 2015 **Real-World 2-Year Outcomes From an Australasian High Risk Aortic Stenosis Service**
Oral presentation at ANZSCTS 2015 Adelaide, Australia
- Feb 2015 **Mechanical Prostheses for Right Ventricular Outflow Tract Reconstruction A Systematic Review of the Literature**
Poster at CHOP Cardiology 2015 Arizona, USA
- Feb 2015 **Pulmonary Valve Replacement with the Freestyle Valve: 14-year experience with 114 Congenital Cases**
Poster at CHOP Cardiology 2015 Arizona, USA
- Feb 2015 **Surgical Outcomes Following Reimplantation Technique for Management of Anomalous Origin of the Right Coronary Artery**
Poster at CHOP Cardiology 2015 Arizona, USA
- Nov 2014 **Transaortic vs Transapical TAVI – A meta-analysis**
Poster presentation at ANZSCTS 2014 Gold Coast, Australia
- Nov 2014 **Some Patients Truly are Cold and Dead – ECMO for Hypothermic Arrest**
Poster presentation at ANZSCTS 2014 Gold Coast, Australia
- Aug 2014 **Direct Aortic TAVI - Early Experience**
Oral presentation at WA/SA/NT RACS ASM Perth, Australia
- July 2014 **ECMO for Hypothermic Cardiac Arrest**
Oral presentation at RACS WA Research Day Perth, Australia
- Aug 2013 **The Freestyle Valve as a Right Ventricle to Pulmonary Artery Conduit**
Poster presentation at ANZSCTS 2013 Darwin, Australia
- March 2013 **Presence of Pre-Transplant Donor Specific Anti-HLA Antibodies Does Not Predict Development of Early BOS or Reduced Survival Post Lung Transplantation**
Mini-oral presentation at American Thoracic Society meeting 2013 Philadelphia, USA
- Nov 2012 **48 Days Later: Lessons Learnt From 48 Days on Veno-Venous ECMO Bridging to Lung Transplantation**
Poster presentation at ANZSCTS AGM 2012 Hobart, Australia

- Aug 2010 **Surgically Treated Infective Endocarditis: A 10 Year Review**
Poster presentation at ANZSCTS AGM 2010 Hamilton Is, Australia
- Aug 2010 **Bentall's Procedure for Ascending Aortic Disease: A 10 Year Review**
Poster presentation at ANZSCTS AGM 2010 Hamilton Is, Australia
- May 2010 **Trauma Scoring Systems: Are They Relevant to the Burns Patient**
Verbal presentation at RACS ASC 2010 Perth, Australia
- March 2009 **The Missing F Word: A Gallstone Risk Factor Assessment** Wexford, Ireland
Poster presentation at Sylvester O'Halloran National Surgical Conference
- May 2009 **A Cost Analysis of Prescribing Trends in a Cardiology Outpatient Department:
Generic versus Trade Medications**
Poster presentation at Irish Cardiac Society Annual Meeting Dublin, Ireland
- May 2000 **Interns as Teachers of Undergraduate Medical Students:**
Verbal Presentation at Connolly Hospital Study Day Dublin, Ireland
- May 2009 **The Economic Implications of Intern Administration of IV Frusemide**
Poster presentation at Connolly Hospital Study Day Dublin, Ireland
- May 2009 **The Economic Implications of Intern Administration of First Dose IV Antibiotics**
Poster presentation at Connolly Hospital Study Day Dublin, Ireland
- May 2009 **The Pre-Operative Optimisation of Patients at Risk for Peri-Operative Myocardial
Infarction**
Poster presentation at Connolly Hospital Study Day Dublin, Ireland

TEACHING EXPERIENCE

2020	Surgical Resident Education Co-ordination Working Group Royal Melbourne Hospital Peter MacCallum Cancer Centre	Melbourne, Australia
2020	Developed Thoracic Surgery Registrar/Fellow Education Program Royal Melbourne Hospital	Melbourne, Australia
2020	Developed Thoracic Surgery Resident Education Program Royal Melbourne Hospital	Melbourne, Australia
2020	Developed Education/Orientation content for TGH Thoracic Surgery Toronto General Hospital	Toronto, Canada
2016	Cardiothoracic Lecturer for University of Queensland Medical School Princess Alexandra Hospital	Brisbane, Australia
2016	QLD Cardiothoracic Journal Club	Brisbane, Australia
2013	WA Cardiothoracic Journal Club	Perth, Australia
2012	E-learning Anatomy App for Smartphones	Perth, Australia
2012	WA Surgical Teaching Program	Perth, Australia
2011	Certificate in Postgraduate Medical Education University of Dundee	Dundee, Scotland
2011	Developed Surgical Education Program Fremantle (Kaleeya) Hospital	Perth, Australia
2011 – 2017	Care of the Critically Ill Surgical Patient (CCrISP) course instructor	
2010 – 2015	UWA medical student mentor University of Western Australia	Perth, Australia
2009 - 2017	Advanced Life Support (ALS) course instructor	
2008 – 2009	Founded Junior Medical & Surgical Tutor Program	Dublin, Ireland

CLINICAL GOVERNANCE & LEADERSHIP

2020	Intercostal Catheter Insertion working group Royal Melbourne Hospital	Melbourne, Australia
2020	Updated Return to Activity Guidelines for Thoracic Surgical Patients Royal Melbourne Hospital	Melbourne, Australia
2020	Institute for Healthcare Improvement Certificate in Quality and Safety	Toronto, Canada
2019	VV ECMO process, protocol and equipment review Toronto General Hospital	Toronto, Canada
2019	Donor operation process, protocol and equipment review Toronto General Hospital	Toronto, Canada
2019	Updated Data Entry Software and Process for Toronto Lung Transplant Database Toronto General Hospital	Toronto, Canada
2016- 2018	State-Wide Thoracic Surgical Database Princess Alexandra Hospital	Brisbane, Australia
2016- 2018	Cardiothoracic Junior Registrar Credentialing Program Princess Alexandra Hospital	Brisbane, Australia
2014	Clinical Audit of Departmental Peri-Operative Renal Failure Rates Royal Perth Hospital	Perth, Australia
2014	Efficiency Review of Operating Room Start Times Royal Perth Hospital	Perth, Australia
2014	Clinical Audit of Departmental Infection Control Practices Royal Perth Hospital	Perth, Australia
2013 –2015	Accreditation Process of Cardiothoracic Surgical Unit Fiona Stanley Hospital	Perth, Australia
2013	ICU Resternotomy Practice, Equipment and Protocol Royal Perth Hospital	Perth, Australia
2013	Clinical Audit of Re-Operation for Bleeding Royal Perth Hospital	Perth, Australia
2013	Cardiothoracic Organ Retrieval Protocol Royal Perth Hospital	Perth, Australia
2013	Clinical Audit of Sternal Wound Infections Royal Perth Hospital	Perth, Australia

AWARDS & DISTINCTIONS

- June 2019 **Represented ‘Team Americas’ in Masters Postgraduate Quiz**
European Society of Thoracic Surgeons Conference
- April 2019 **AATS Surgical Robotics Fellowship**
Awarded scholarship for training in thoracic robotic surgery
- Oct 2016 **ANZSCTS/Edwards Travelling Scholarship**
Winner of \$10,000 educational scholarship for presentation on innovation in
Cardiothoracic Surgery
- Nov 2015 **ANZSCTS Research Young Achiever Award**
Finalist for RCT of sternal closure techniques
- Mar 2015 **National Cardiothoracic Trainee Presentation Award**
Winner for presentation on pulmonary metastasectomy
- June 2012 **National Selection for Cardiothoracic Training Programme**
Ranked 1st place
- Sept 2011 **Registrar Teacher of the Year**
Fremantle Hospital
- May 2009 **Connolly Hospital Intern Medal**
James Connolly Hospital
- June 2008 **Dr HH Stewart Scholarship in Surgery Silver Medal**
National University of Ireland
- May 2008 **Lyons medal in Surgery**
McDonnell medal in Surgery
JJ Fitzsimons medal in Surgery
Bronze medal (2nd place) Wheeler prize in Surgery
Dr. Jim Mahon medal in Medicine
Royal College of Surgeons, Ireland

MEMBERSHIPS

2020 - Present	European Society of Thoracic Surgeons
2020 - Present	Chest Wall Injury Society
2020 - Present	International Thymic Malignancy Interest Group
2020 - Present	International Association for the Study of Lung Cancer
2018 - Present	RACS Academy of Surgical Educators
2013 - Present	Royal Australasian College of Surgeons
2012 - Present	Royal College of Surgeons in England
2010 - Present	Australian/New Zealand Society of Cardiothoracic Surgeon