

Professional Curriculum Vitae

Paul Robert Burton

University and Medical School: Monash University, The Alfred Hospital

Qualifications:

MBBS (hons) 1999

FRACS (General Surgery) 2007

PhD (Monash University) 2010

Contact details

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Work address:

- 1) Suite 44, Cabrini Medical Centre, 183 Wattletree Rd, Malvern, 3144
- 2) Centre for Obesity Research and Education (CORE), Monash University
Level 6, The Alfred Centre, 99 Commercial Road, Melbourne, Victoria 3004

Current appointments

1. Surgeon, Centre for Bariatric Surgery, Level 1, Glen Iris Private Hospital, Warrigal Rd, Glen Iris, 3146
2. Visiting Medical Officer, Upper GI Unit, Alfred Hospital (October 11th, 2010 – June 30th 2011)
3. Visiting Medical Officer, Sandringham Hospital (Alfred Health, May 2011 – present)
4. Senior Research Fellow, Monash University, Centre for Obesity Research and Education, Monash University (October 11th - present)
5. Visiting Medical Officer, The Avenue Private Hospital, The Avenue, Windsor 3181 (2007 – present).
6. Honourary Senior Research fellow, Department of Gastro-enterology, Royal Melbourne Hospital (2007 – present)

Selected Peer Reviewed Publications:

1. **Burton PR**, Jarmolowski E, Raineri F, Buist MD, Wriedt CH. **Severe, late reaction to radiological contrast media mimicking a sepsis syndrome.** *Australasian Radiology. Vol 43 (3) August 1999. pp 360-3*
2. Esmore DS, **Burton PR**, Smith JA, Rabinov M, Pick A, McMahon J, Rosenfeldt F. **A simplified method for harvesting the radial artery achieves acceptable clinical outcomes.** *Aust N.Z.J. Surg. (2000) 70, 366-70*
3. Buist MD, Jarmolowski E, **Burton PR**, Waxman B. **Delays in recognition of critical events by junior medical staff in a metropolitan teaching hospital.** *Anaesthesia and intensive care Vol 27 (1) February 1999 p 101*
4. Buist MD, Jarmolowski E, **Burton PR**, Bernard S, Waxman B, Anderson J. **Recognising clinical instability in hospital patients before cardiac arrest or unplanned admission to intensive care.** *MJA 171. 5 July 1999 pp 22-25*
5. Esmore DS, Markman PL, Agrawal S, **Burton PR**, Rosenfeldt FL. **The split radial technique: an alternative to the Y graft for total arterial myocardial revascularisation.** *Heart Lung Circ. 2005 Mar;14(1):32-35*
6. **PR Burton** and EJ Fenton. **Paediatric pancreatic injuries as a result of collisions in Australian rules football** *Australasian journal of emergency medicine. 2007 Apr;19(2):160-2.*
7. Choi JY, **Burton P**, Walker S, Ghane-Asle S. **Abdominal compartment syndrome after ruptured abdominal aortic aneurysm.** *ANZ J Surg. 2008 Aug;78(8):648-53.*
8. Brown WA, **Burton PR**, Anderson M, Korin A, Dixon JB, Hebbard G, O'Brien PE. **Symmetrical pouch dilatation after laparoscopic adjustable gastric banding: incidence and management.**, *Obes Surg. 2008 Sep;18(9):1104-8. Epub 2008 Apr 23.*
9. **Burton PR**, Lee MJ, Bailey M, Pick A **What Causes Posttraumatic Empyema?** *EMA, 2009 Apr;21(2):153-9*
10. **Burton PR**, Brown W, Laurie C, Richards M, Afkari S, Yap K, Korin A, Hebbard G, O'Brien P. **The effect of laparoscopic adjustable gastric bands on esophageal motility and the gastro-esophageal junction; analysis using high resolution video manometry,** *2009 Jul;19(7):905-14. Epub 2009 May 8*
11. **Burton PR**, Button B, Lee MJ, Smith A, Snell G, Brown W. **Medium term outcomes of antireflux surgery in lung transplant patients. In press,** *2009;22(8):642-8. Epub 2009 Jun 9.*

12. **Burton PR**, Brown W , Laurie C, Richards M, Afkari S, Yap K, Korin A, Hebbard G, O'Brien P **Pathophysiology of laparoscopic adjustable gastric bands: Analysis and classification using high resolution video manometry and a semi-solid stress barium protocol** *Obes Surg.* 2010 Jan;20(1):19-29. Epub 2009 Sep 18.
13. **Burton PR**, Brown WA, Laurie C, Richards M, Hebbard G, O'Brien PE. **Effects gastric band adjustments on intraluminal pressure** *Obes Surg.* 2009 Nov;19(11):1508-14.
14. Paul O'Brien P, Susan Sawyer S, Laurie C, Brown W, Skinner S, Veit F, Paul E, Bailey M, **Burton P**, McGrice M, Anderson M, Dixon J, Severe Obesity in Adolescents: A Randomized Trial comparing Laparoscopic Adjustable Gastric Banding with a Lifestyle Weight Loss Program, *JAMA*, 2010 Feb 10;303(6):519-26.
15. Brown WA, Korin A, **Burton P**, O'Brien P "A General Practitioners' Guide to Laparoscopic Adjustable Gastric Banding: Its Effects, Side-effects and Challenges", *Aust Fam Phys* 2009 Dec;38(12):972-6
16. Mechanisms of bolus transit in patients with laparoscopic adjustable gastric bands. **Paul R Burton**, Wendy Brown, Cheryl Laurie, Geoff Hebbard, Paul O'Brien. *Obes Surg* 2010 Jan 12. [Epub ahead of print]
17. Outcomes, satiety and adverse upper gastrointestinal symptoms following laparoscopic adjustable gastric banding **Paul R Burton**, Wendy Brown, Cheryl Laurie, Minjae Lee, Korin A, Anderson M, Geoff Hebbard, Paul E O'Brien. *Obesity Surgery* 2010 Feb 9. [Epub ahead of print]
18. **Burton PR**, Brown W, Laurie C, Hebbard G, O'Brien P. Criteria for assessing esophageal motility in patients with laparoscopic adjustable gastric bands: Importance of the lower esophageal contractile segment. *Obes Surg* 2010 Mar;20(3):316-25.
19. **Burton PR**, Brown WA, Laurie C, Korin A, Yap K, Hebbard G, O'Brien P. Predicting Outcomes of Intermediate Term Complications and Revisional Surgery Following Laparoscopic Adjustable Gastric Banding: Utility of the CORE Classification and Melbourne Motility Criteria. *Obesity Surgery in press*
20. **Burton PR**. Mechanism of weight loss with laparoscopic adjustable gastric banding. *International journal of Obesity (Spring supplement) in press*
21. **Burton PR**, Yap KSK, Brown WA, O'Donnell M, Laurie C, Hebbard G, O'Brien P. *Effects of adjustable Gastric Bands on Compartmental Gastric Emptying,*

Esophageal Transit and Satiety: A randomized Double Blind Cross-Over Trial.
(*Obesity Surgery in press*)

22. **Burton PR**, Yap KSK, Brown WA, O'Donnell M, Laurie C, Hebbard G, O'Brien P. *Changes in satiety, esophageal transit and gastric emptying following laparoscopic adjustable gastric banding: A prospective follow up study.* (*Obesity Surgery in press*)

Recent awards and research grants

- 1) Vice Chancellors Commendation for Doctoral Thesis Excellence 2010, Monash University
- 2) Monash University, School of Public Health, Doctoral thesis excellence award
- 3) 2011-2013, Principle investigator, Allergan, ***A new physiological adjustable gastric band*** (\$600,000)
- 4) 2011-2013 Royal Australasian College of Surgeons Foundation for Surgery Research Fellowship (\$180,000) ***“Mechanics of satiety and appetite control”***
- 5) 2009 Obesity Surgeons society of Australasia and Asia Pacific federation for Obesity Surgery – Young investigator award for best scientific presentation ***“Gastric emptying and oesophageal transit in laparoscopic adjustable gastric band patients”***
- 6) 2008 – Digestive Diseases week ***“Understanding the physiology of the LAP-BAND using high resolution video manometry”*** Included in the Distinguished abstract plenary and the ***“Best of DDW”***
- 7) 2007 – Obesity Surgeons Society of Australia and New Zealand conference, Best scientific presentation ***“Physiological changes at the gastro-oesophageal junction following bariatric surgery”***
- 8) 2007-2009 – NHMRC Medical postgraduate scholarship (\$92000) – ***“Physiological studies of the oesophagogastric junction relating to satiety”***
- 9) 2007 Alfred Hospital Small projects grants (\$7000) - ***“Vascular preconditioning of the gastric conduit prior to oesophagectomy”***
- 10) 2008-2009 RACS Surgeon Scientist award Sir Roy McCaughney Surgical Research Fellowship (\$135000) ***“Physiology of the OG junction relating to satiety and reflux”***
- 11) 2007 Alfred Hospital Foundation grant (\$30000) *for Laser doppler for measuring gastric mucosal blood flow* - ***“A new technique of improving the vascularity of the gastric conduit prior to oesophagectomy”***
- 12) 2006 – RACS annual scientific conference Best Free paper in the trauma section: ***“What causes posttraumatic empyema”***

Previous appointments

1. Locum Consultant Surgeon, Oesophago-gastric Centre, Addenbrooke's Hospital, Cambridge, United Kingdom, April 1st 2010 – 30th September 2010
2. Locum Visiting Medical Officer, Upper GI Unit, Alfred Hospital (October 11th, 2010 – June 30th 2011)
3. Senior Clinical Fellow, Oesophago-gastric Centre, Addenbrooke's Hospital, Cambridge, United Kingdom, September 30th 2009 - April 1st 2010
4. Visiting Medical Officer, The Avenue Private Hospital, The Avenue, Windsor 3181. Feb 2007 - current
5. Locum Visiting Medical Officer Upper Gastrointestinal Surgical Unit, The Alfred Hospital, Department of General Surgery (Incorporating Sandringham Hospital). Feb 2007 - 2009
6. PhD student, Monash University Department of Surgery, The Alfred Hospital and Monash University Centre for Obesity Research and Education. Feb 2007 - 2009
7. Research fellow, Department of Surgery, The Alfred Hospital, 2007-2009
8. Director CTE, Surgical and bariatric, Gastrointestinal Physiology Laboratory,
9. Honorary Research fellow, Department of Gastroenterology, Royal Melbourne Hospital, Feb 2007 - current

Previous experience (training appointments)

2000 - Intern Alfred Hospital Melbourne

2001 - Basic Surgical Training program Alfred Hospital - HMO 1

2002 - Basic Surgical Training program Alfred Hospital - HMO 2

2003 - Accredited General Surgical Registrar Alfred Hospital Year 1 –
Rotations: Wodonga General Surgery
Alfred Hospital Upper GI Surgery

2004 - Accredited General Surgical Registrar Alfred Hospital Year 2 –
Rotations: Royal Hobart Hospital Vascular/ Paediatric Surgery and
Frankston Hospital Colorectal Surgery

2005 Accredited General Surgical Registrar Alfred Hospital Year 3
Rotations: General surgery Sandringham and District memorial hospital
Thoracic and transplantation surgery, Alfred hospital

2006 Accredited Senior General Surgical Registrar Alfred Hospital Year 4
Rotations: Breast, Endocrine and melanoma, Alfred hospital
Hepatobiliary and Upper GI surgery, Alfred hospital

Professional Affiliations

- 1) General Medical Council, United Kingdom
- 2) General Medical registration, Medical Board of Victoria
- 3) Fellow of the Royal Australasian College of Surgeons (General surgery)
- 4) Member of the Australian Medical Association
- 5) Member of the Australian and New Zealand Oesophago-gastric surgeons association (ANZGOSA)
- 6) Member of the Obesity Surgeons Association of Australia and New Zealand (OSSANZ)
- 7) Conjoint committee of the Royal Australasian College of Surgeons for recognition of training in gastrointestinal endoscopy – accredited for colonoscopy and gastroscopy
- 8) Member of Society for the Surgery of the Alimentary tract (USA)

Awards and Prizes During Medical Course:

- 1) Royal Australasian College of Physicians Prize in Clinical Medicine for highest marks in final year clinical examinations 1999
- 2) Ian Mcleod-Murphy scholarship 1995, 1996
- 3) 4th Research award – best 4th year research project 1997
- 4) Summer scholarship Cardiac Surgical Research Unit (Baker medical research institute) (1997-98 and 1998-99) Supervisor A/Prof F. Rosenfeldt. Topic: An alternate method of harvesting the radial artery for use in CABG

Courses taught on

- 1) Faculty member *Advanced course in Laparoscopic adjustable Gastric Banding*, The Avenue Hospital, July 2007
- 2) Faculty member *Basic course in Laparoscopic adjustable Gastric Banding*. The Avenue Hospital, October 2007
- 3) Faculty member, *Basic course in laparoscopic adjustable gastric banding*, The Avenue Hospital, January 2009
- 4) Faculty member *Australian Advanced Obesity Management symposium*, October 2008, The Seibel, Yarra Valley
- 5) Faculty member *Basic course in Laparoscopic adjustable Gastric Banding*. The Avenue Hospital, October 2009
- 6) Faculty member; *Advance Course in Adjustable Gastric Banding*, August 2009, Langham Hotel,

Selected Published abstracts
(peer reviewed only)

1. **PR Burton**, C O'Donnell and P Van Gelderen ANZJS - May 2005 - Vol. 75 Issue s1 Page A25-A122 page A 72 The role of MRCP in the investigation of choledocholithiasis
2. **PR Burton** and EJ Fenton ANZJS - May 2005 - Vol. 75 Issue s1 Page A25-A122 page A114 Paediatric Pancreatic injuries in Australian rules football
3. **PR Burton** A89 - May 2006 - Vol. 76 Issue supplement 1 Page A1-A103 Why do patients develop empyema post thoracic trauma?
4. J.Y. S. Choi S. Ghane-Asle, **P Burton** and S Walker May 2006 - Vol. 76 Issue supplement 1 Page A1-A103 A96 Abdominal compartment syndrome post ruptured abdominal aortic aneurysm, surgeons and intensivists contrasting views?
5. K. Goonewardene, A. M. Warwick, **P. R. Burton** W. A. Brown Outcome of Traumatic Rupture of the Diaphragm (TRD) ANZJS May 2007 (77) S1 A94-A94 - Awarded best presentation by a trainee in the trauma section of the Annual scientific conference, Christchurch May 2007
6. A.M. Warwick, K. Goonewardene, **P. R. Burton**, V. Usatoff and P. M. Evans. Management of Traumatic Pancreatic Injury ANZJS May 2007 (77) S1 A48-A48
7. **Burton, Paul**; Richards, Melissa; Hebbard, Geoff; Brown, Wendy; O'Brien, Paul; Afkari, Sohail; Laurie, Cheryl Understanding the physiology of the Lap-Band using high resolution video Manometry. Digestive diseases week (published Gastroenterology, supplement April 2008)
8. International Society for Heart and Lung transplantation, annual Conference, April 10, 2007 **P. Burton**, B.M. Button, M. Lee, S. Roberts, B.J. Levvey, A. Smith, W. Brown, G.I. Snell. Longer Term Outcomes of Laproscopic Fundoplication in Patients after Lung Transplant

Selected National and International Presentations

- 1) **13th Annual Merck Frosst/CIHR Research Chair in Obesity Annual symposium**
Université Laval, Quebec City, October 2010.

Bariatric Surgery: How It Influences Energy Balance Regulation

Invited presentation (55 min): *The mechanism of action of adjustable gastric banding*

- 2) ***Victorian Obesity Consortium Symposium 2010 Showcase of Victorian Obesity Research, Melbourne, 8th December 2010***

Invited presentation: How does surgery induce weight loss?

- 3) **Digestive Diseases Week, San Diego, May 2008**

Distinguished abstracts plenary (Best of DDW)

Understanding the physiology of the Lap-Band using high resolution video Manometry

Burton, Paul; Richards, Melissa; Hebbard, Geoff; Brown, Wendy; O'Brien, Paul; Afkari, Sohail; Laurie, Cheryl

- 4) **AGITG and ANZGOSA**
Melbourne, August 26-28, 2011

Invited presentation

Vascular pre-conditioning of the gastric conduit prior to oesophagectomy

- 5) **RACS Annual scientific congress, Sydney, May 2006**

Why do patients develop empyema post thoracic trauma?

PR Burton A89 - May 2006 - Vol. 76 Issue supplement 1 Page A1-A103

- *Awarded prize for the best free paper by a trainee in the trauma section*

- 6) **RACS Annual scientific congress, Perth May 2005**

The role of MRCP in the investigation of cholelithiasis

PR Burton, C O'Donnell and P Van Gelderen ANZJS - May 2005 - Vol. 75 Issue s1
Page A25-A122 page A 72

Paediatric Pancreatic injuries in Australian rules football

PR Burton and EJ Fenton ANZJS - May 2005 - Vol. 75 Issue s1 Page A25-A122 page
A114

7) Annual Scientific Meeting of the Obesity Surgery Society of Australia & New Zealand. 14-16 November 2007

Burton PR, Brown W, Richards M, Laurie C, Afkari S, Hebbard G, O'Brien P
There is Physiological explanation for Lap-Band patients doing badly or having adverse symptoms

Burton PR, Egberts K, Brown W, Hebbard G, O'Brien P
A systematic review of the surgical management of obese patients with Gastroesophageal reflux disease

8) 2007 Royal Australasian College of Surgeons, Victorian Annual Scientific and Fellowship Meeting 27 – 28th October 2007

PR Burton, M Richards, WA Brown, S Afkari, G Hebbard, PE O'Brien
High resolution video manometry in lap-band patients

PR Burton, S Afkari, M Lee, WA Brown, G Hebbard, PE O'Brien
Laboratory studies of the oesophago-gastric junction

Poster presentation: Lee MJ, Burton PR, Button B, Smith A, Brown W Laparoscopic antireflux surgery in patients with cystic fibrosis.

9) International society for diseases of the esophagus and stomach, Australian section, Moorochydore, February 2009

Burton PR, The role of endoscopy in the assessment of response of oesophageal cancer to neoadjuvant therapy

10) Obesity Surgeons Society of Australia and New Zealand, Scientific congress, March 2009, Cairns

Burton PR, Brown WA, Laurie C, Richards M, Crosthwaite G, Korin A, Afkari S, Hebbard G, O'Brien P The physiology and pathophysiology of adjustable gastric bands

Burton PR, Yap K, Brown WA, Laurie C, Smith A, Kalf V, Hebabrd G, O'Brien P
Gastric emptying in laparoscopic adjustable gastric banding patients

- *Awarded Young investigator prize for best free paper presented*

Invited presentation: Burton PR. The management of hiatus hernia in bariatric surgical patients

11) Obesity Surgeons Society of Australia and New Zealand (OSSANZ), Hobart, November 2010

(Free papers, oral presentations)

1. Mechanism of weight loss with adjustable gastric banding
2. Oesophageal motility in patients with adjustable gastric bands
3. Intermediate term complications following adjustable gastric banding

12) International Society for Diseases of the Esophagus and Stomach, Conference Hobart, February 18-19, 2011

Invited presentation: "Is reflux after gastric banding a problem?"

Reviewer for

- 1) *SOARD (impact factor: 3.8)*
- 2) *ANZ journal of surgery (impact factor: 1.3)*
- 3) *Digestive and Liver Disease (impact factor: 2.9)*
- 4) *Obesity Surgery (impact factor: 2.9)*
- 5) *Journal of Medical Imaging and Radiation Oncology (impact factor: 0.6)*