

TARIK SAMMOUR

Curriculum Vitae

## PERSONAL INFORMATION

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- Date of Birth: 23<sup>rd</sup> September 1981
- Nationality: New Zealand / United Kingdom dual citizenship
- Marital Status: Married, with two children

## WORK EXPERIENCE

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- **2017 – Present.** Assoc Prof in Colorectal Surgery, Royal Adelaide Hospital and University of Adelaide.
- **2016 – 2017.** Fellow in Colorectal Surgical Oncology, MD Anderson Cancer Center, Houston, Texas, USA
- **2015 – 2016** Fellow in Colorectal Surgery (CSSANZ), Royal Adelaide Hospital, Adelaide, Australia
- **2014 – 2015** Fellow in Colorectal Surgery (CSSANZ), Royal Melbourne Hospital, Melbourne, Australia
- **2009 – 2013** SET Trainee in General Surgery (RACS), MidCentral, Northland, Middlemore Hospital, New Zealand
- **2007 – 2009** PhD Research Fellow, Department of Surgery, University of Auckland, Auckland, New Zealand
- **2006 – 2007** Surgical Registrar and Trauma Fellow, Middlemore Hospital, Auckland, New Zealand
- **2004 – 2006** House officer, Middlemore Hospital and Auckland City Hospital, Auckland, New Zealand

## CERTIFICATION

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- Medical Board of Australia (AHPRA): General & Specialist Registration MED0001851336
- Medical Council of New Zealand: General & Vocational Registration 38458
- Texas Medical Board: Physician in Training Permit
- Gastroenterological Society of Australia (GESA): Full accreditation in Colonoscopy and Gastroscopy.
- New Zealand Conjoint Committee: Full accreditation in Colonoscopy and Gastroscopy.

## ASSOCIATIONS & AFFILIATIONS

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- Colorectal Surgical Society of Australia and New Zealand: Fellow
- Royal Australasian College of Surgeons (RACS): Fellow
- American College of Surgeons (ACS): Associate Fellow
- RACS Section of Colorectal Surgery and Academic Surgery: Member
- Surgical Research Society: Member
- International Research Collaboration in Surgery (IRIS) working group: Member
- Association for Academic Surgery (AAS): Candidate Member

## PERSONAL AWARDS

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- 2014 ASCRS International Committee Travel Scholarship, American Society of Colon and Rectal Surgeons.
- 2014 John Buckingham Scholarship, Board of Surgical Research, Royal Australasian College of Surgeons.
- 2011 University of Auckland Vice Chancellor's Prize for Best PhD Doctoral Thesis. The peritoneal response to injury and implication for laparoscopic insufflation.
- 2010 Mark Killingback Prize for research in colorectal surgery. Laparoscopic colorectal surgery is associated with a higher intra-operative complication rate than open surgery. Royal Australasian College of Surgeons Annual Scientific Congress, Adelaide, Australia. May 2010.
- 2010 Trainee's Research prize for best presentation by a trainee in Colorectal Surgery. Laparoscopic colorectal surgery is associated with a higher intra-operative complication rate than open surgery. Royal Australasian College of Surgeons Annual Scientific Congress, Adelaide, Australia. May 2010.
- 2009 Mark Killingback Prize for research in colorectal surgery. Double blind randomised controlled trial of the effect of glucocorticoids on peritoneal inflammation and post-operative recovery following colectomy. Royal Australasian College of Surgeons Annual Scientific Congress, Brisbane, Australia. May 2009.
- 2009 Sir Edward Hughes Memorial Clinical Research Prize in Surgery. Humidification in laparoscopic colonic surgery: a multicentre

double blinded randomised controlled trial. Cabrini Institute, Department of Surgery, Cabrini Monash University, Oct 2009.

- 2009 ISS / SIC Nyhus Prize for best free paper presentation. A program of enhanced recovery after surgery (ERAS) is a cost-effective intervention in elective colonic surgery. International Society of Surgery, International Surgical Week, Adelaide, Australia. Sep 2009.
- 2009 Surgical Research Society Annual Meeting Travel Grant, Adelaide, Australia. Nov 2009
- 2009 Centre for Clinical Research and effective practice (CCRep) Young Investigator Award. Laparoscopic sleeve gastrectomy – the first 100 patients. Counties Manukau District Health Board Science Fest. June 2009.
- 2009 Secondary Health Oral Presentation Award. Laparoscopic sleeve gastrectomy – the first 100 patients. Counties Manukau District Health Board Science Fest June 2009.
- 2009 People's Choice Award. Laparoscopic sleeve gastrectomy – the first 100 patients. Counties Manukau District Health Board Science Fest June 2009.
- 2009 Surgeon Scientist Scholarship, Royal Australasian College of Surgeons – value AUD70,000.
- 2008 Foundation for Surgery Research Scholarship, Royal Australasian College of Surgeons – value AUD57,500.
- 2008 Best Registrar Oral Presentation (1st place), \$1000 OBEX educational grant. Venous glucose and arterial lactate as biochemical predictors of mortality in clinically severely injured trauma patients – a comparison with ISS and TRISS. NZ Association of General Surgeons Conference, 6th April 2008.
- 2005 Poster presentation prize. Laparoscopic Splenectomy in Middlemore Hospital. Counties Manukau District Health Board Science Fest 2005, 8th May 2005. Auckland, NZ.
- 2004 Royal NZ College of General Practitioners Prize / John S Werry Prize in Psychiatry for MBChBIII.
- 2001 and 2003 Senior Prize in Human Biology for BHB and MBChBII.

## RESEARCH GRANTS

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- 2008 Project and Equipment Grant, Lottery Health Research. A double blinded, randomised, controlled trial of humidification in laparoscopic colonic surgery – value \$99,000.
- 2008 Performance Based Research Fund, University of Auckland Research Committee. A double blinded, randomised, controlled trial of humidification in laparoscopic colonic surgery – value \$8,000.
- 2008 Faculty Development Research Fund. Double blind controlled study to investigate the effects of intraperitoneal local anaesthetic following colonic surgery – value \$16,298.
- 2008 Project grant, Auckland Medical Research Foundation. Double blind controlled study to investigate the effects of intraperitoneal local anaesthetic following colonic surgery – value \$30,684.
- 2008 Auckland Medical Research Foundation Travel Grant. Towards attendance at Royal Australasian College of Surgeons and the College of Surgeons of Hong Kong Conjoint Annual Scientific Congress, 12 – 16<sup>th</sup> May 2008, Hong Kong – value \$2,000.

## REVIEWER

PUBLONS VERIFIED (435687)

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Regular reviewer for the following journals:

- British Medical Journal
- PLOS One
- British Journal of Surgery
- Annals of Surgery
- Annals of Surgical Oncology
- Injury
- ANZ Journal of Surgery

## BOOK CHAPTERS

5 CHAPTERS

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1. Sammour T, Skibber JM, Chang GJ. Evaluation and Treatment of Locally Recurrent Rectal Cancer. In: Rectal Cancer: Modern Approaches to Treatment. Springer International. ISBN: 9783319163833. <http://www.springer.com/us/book/9783319163833>
2. Sammour T, Hill AG. Total Abdominal Colectomy: Open Technique. In: Operative Techniques in Surgery. Lippincott Williams & Wilkins 2014. ISBN: 9781451186314. <http://www.lww.com/product/9781451186314>
3. Kahokehr A, Srinivasa S, Yu TC, Sammour T, Hill AG. In: Pelt AC. Glucocorticoids: Effects, Action Mechanisms, and Therapeutic Uses. Nova Science Publishers 2010. ISBN: 9781617287589.
4. Srinivasa S, Sammour T, Hill AG. Road trauma in the developing world. In: Paterson SE, Allan LK. Road Traffic: Safety, Modelling, and Impacts. Nova Science Publishers 2008. ISBN: 9781604568844.
5. Sammour T, Oliver C. Adult Administration Guideline for Methylene Blue for Parathyroidectomy. CMDHB Medicines Advisory Committee Adult Infusion Guidelines. August 2007.

1. Sammour T, Malakorn S, Bednarski BK, Kaur H, Shin US, Messick C, You YN, Chang GJ. Oncological Outcomes After Robotic Proctectomy for Rectal Cancer: Analysis of a Prospective Database. *Ann Surg.* 2017; [Epub ahead of print].
2. Lam D, Lauritz B, Chandra R, Mushaya C, Sansom W, Sammour T, Keck J. Midline stoma via the umbilicus versus traditional diverting loop ileostomy: a retrospective comparative study. *Indian J Surg.* 2017; [Epub ahead of print]
3. Sammour T, Hill AG. Time to Embrace the Digital Age in Health Care. *JAMA Surg.* 2017; [Epub ahead of print].
4. Sammour T, Hayes IP, Jones IT, Steel MC, Faragher I, Gibbs P. Impact of anastomotic leak on recurrence and survival after colorectal cancer surgery: a BioGrid Australia analysis. *ANZ J Surg.* 2016; [Epub ahead of print].
5. Sammour T, Kahokehr A. Reply to Letter: "Laparoscopic Colorectal Surgery is Associated with a Higher Intraoperative Complication Rate Than Open Surgery". *Ann Surg.* 2016; [Epub ahead of print].
6. Sammour T, Chang GJ. Lateral Node Dissection in Low Rectal Cancer: Time for a Global Approach? *Ann Surg.* 2017; 266:208-209.
7. Malakorn S, Sammour T, Bednarski B, You YN, Chang GJ. Three Different Approaches to the Inferior Mesenteric Artery during Robotic D3 Lymphadenectomy for Rectal Cancer. *Ann Surg Oncol.* 2017; 24: 1923.
8. Malakorn S, Sammour T, Pisters LL, Chang GJ. Total Pelvic Exenteration. *Dis Colon Rectum.* 201; 60: 555.
9. Sammour T, Lewis M, Thomas ML, Lawrence MJ, Hunter A, Moore JW. A simple web-based risk calculator ([www.anastomoticleak.com](http://www.anastomoticleak.com)) is superior to the surgeon's estimate of anastomotic leak after colon cancer resection. *Tech Coloproctol.* 2017; 21:35-41.
10. Sammour T, Price BA, Krause KJ, Chang GJ. Nonoperative Management or 'Watch and Wait' for Rectal Cancer with Complete Clinical Response After Neoadjuvant Chemoradiotherapy: A Critical Appraisal. *Ann Surg Oncol.* 2017; 24: 1904-1915.
11. Sammour T, Hill AG. Should colorectal surgeons continue to use nonsteroidal anti-inflammatory drugs? *ANZ J Surg.* 2017; [Epub ahead of print]
12. Feinberg AE, Chesney TR, Acuna SA, Sammour T, Quereshty FA. Oncologic outcomes following laparoscopic versus open resection of pT4 colon cancer: a systematic review and meta-analysis. *Dis Colon Rectum.* 2017; 60: 116-125.
13. Sammour T, Rodriguez-Bigas MA, Skibber JM. Locally recurrent disease related to anal canal cancers. *Surg Oncol Clin N Am.* 2017; 26: 115-125.
14. Sammour T, Barazanchi AW, Hill AG; PROSPECT group (Collaborators). Evidence-Based Management of Pain After Excisional Haemorrhoidectomy Surgery: A PROSPECT Review Update. *World J Surg.* 2017; 41: 603-614.
15. Sammour T, An V, Thomas ML. Bleeding iliac artery pseudoaneurysm after colorectal anastomotic leak. *Surg Prac.* 2016; 20: 184-185.
16. Sammour T, Macleod A, Chittleborough TJ, Chandra R, Shedda SM, Hastie IA, Jones IT, Hayes IP. Total caseload of a colorectal surgical unit: baseline measurement and identification of areas for efficiency gains. *Int J Colorectal Dis.* 2016; 31: 1141-8.
17. Sammour T. Publons.com: credit where credit is due. *ANZ J Surg.* 2016; 86: 512-3.
18. Sammour T, Singh PP, Zargar-Shoshtari K, Su'a B, Hill AG. Peritoneal Cytokine Levels Can Predict Anastomotic Leak on the First Postoperative Day. *Dis Colon Rectum.* 2016; 59: 551-6.
19. Chan MF, Sammour T, Chandra R, Moore JW. Localized perianal skin necrosis in neutropenic patients. *ANZ J Surg.* 2016; 86: 211.
20. Sammour T, Chandra R, Moore JW. Extended venous thromboembolism prophylaxis after colorectal cancer surgery: the current state of the evidence. *J Thromb Thrombolysis.* 2016; 42: 27-32.
21. Sammour T. Ethics in Animal Research - Explicit Explanation is Necessary. *Dis Colon Rectum.* 2015; 58: e456.
22. Sammour T, Hill AG. Access to surgical care in developing countries: give a man a fish? *JAMA Surg.* 2015; 4:1.
23. Al-Herz F, Sammour T, Milne H, Rhind B, Young M. Closing the audit cycle: improving short term outcomes of oesophagectomy in a provincial hospital. *J Periop Prac.* 2015; 25: 111-14.
24. Sammour T, Hayes IP, Hill AG, Macrae FA, Winter DC. Familial colorectal cancer syndromes: an overview of clinical management. *Expert Rev Gastroenterol Hepatol.* 2015; 9: 757-64.
25. Sammour T, Jones IT, Gibbs P, Chandra R, Steel MC, Shedda SM, Croxford M, Faragher I, Hayes IP, Hastie IA. Comparing oncological outcomes of laparoscopic versus open surgery for colon cancer: Analysis of a large prospective clinical database. *J Surg Oncol.* 2015; 111: 891-8.
26. Sammour T, Hill AG. Five year follow-up of a randomised controlled trial on warming and humidification of insufflation gas in laparoscopic colonic surgery – impact on small bowel obstruction and oncologic outcomes. *Int Surg.* 2015; 100: 608-16.
27. Vather R, Josephson R, Jaung R, Kahokehr A, Sammour T, Bissett IP. Gastrografin in prolonged post-operative ileus - a double-blinded randomised controlled trial. *Ann Surg.* 2015; 262: 23-30.
28. Sammour T, Hill AG. Full-time research during surgical training: career killer or stepping stone? *ANZ J Surg.* 2014; 84: 104-5.
29. Søreide K, Alderson D, Bergenfelz A et al. International Research Collaboration in Surgery (IRIS) ad-hoc working group.

Strategies to improve clinical research in surgery through international collaboration. *Lancet*. 2013; 28; 382: 1140-51.

30. Blair V, Kahokehr A, Sammour T. Cancer in Māori: lessons from prostate, colorectal and gastric cancer and progress in hereditary stomach cancer in New Zealand. *ANZ J Surg*. 2013; 83: 42-8.
31. Turagava J, Sammour T, Al-Herz F, Daynes C, Young M. Short-term outcomes of laparoscopic resection for colon cancer in a provincial New Zealand hospital. *N Z Med J*. 2012; 125: 17-26.
32. Al-Herz F, Healey D, Sammour T, Turagava J, Rhind B, Young M. Short and long term outcomes of oesophagectomy in a provincial New Zealand hospital. *N Z Med J*. 2012; 125: 30-9.
33. Kahokehr A, Broadbent E, Wheeler BR, Sammour T, Hill AG. The effect of perioperative psychological intervention on fatigue after laparoscopic cholecystectomy: a randomized controlled trial. *Surg Endosc*. 2012; 26: 1730-6.
34. Broadbent E, Kahokehr A, Booth RJ, Thomas J, Windsor JA, Buchanan CM, Wheeler BR, Sammour T, Hill AG. A brief relaxation intervention reduces stress and improves surgical wound healing response: a randomised trial. *Brain Behav Immun*. 2012; 26: 212-7.
35. Sammour T, Kahokehr A, Hill AG. Peritoneal changes due to laparoscopic surgery. *Surg Endosc*. 2012; 26: 587.
36. Sammour T, Kahokehr A, Zargar-Shoshtari K, Hill AG. A prospective case-control study of the local and systemic cytokine response after laparoscopic versus open colonic surgery. *J Surg Res*. 2012; 173: 278-85.
37. Kahokehr A, Sammour T, Srinivasa S, Hill AG. Metabolic response to abdominal surgery: the 2-wound model. *Surgery* 2012; 151: 131-2.
38. Sammour T, Kahokehr A, Srinivasa S, Bissett IP, Hill AG. Reply to: "Should laparoscopic colorectal surgery still be considered unsafe?" *Ann Surg*. 2012; 255: e23.
39. Vather R, Sammour T, Kahokehr A, Connolly A, Hill A. Quantitative lymph node evaluation as an independent marker of long-term prognosis in stage III rectal cancer. *ANZ J Surg*. 2011; 81: 883-8.
40. Kahokehr A, Robertson P, Sammour T, Soop M, Hill AG. Peri-operative care: A Survey of New Zealand and Australian Colorectal Surgeons. *Colorectal Dis*. 2011; 13: 1308-13.
41. Sammour T, Mittal A, Delahunt B, Phillips ARJ, Hill AG. Warming and humidification have no effect on oxidative stress during pneumoperitoneum in rats. *Minim Invasive Ther Allied Technol*. 2011; 20: 329-37.
42. Kahokehr A, Zargar-Shoshtari K, Sammour T, Srinivasa S, Hill AG. A Fatigue postopératoire : mythe ou réalité / Postoperative fatigue: Fact or fiction? *Le Praticien en Anesthésie Réanimation* 2011; 15: 35-39.
43. Sammour T, Kahokehr A, Hill AG. Limitations regarding double-blinding, adherence to the intention to treat principle, and postoperative dosage of Paracetamol. *Ann Surg*. 2011; 254: 389 – 90.
44. Kahokehr A, Sammour T, Shoshtari KZ, Taylor M, Hill AG. Intraperitoneal local anesthetic improves recovery after colon resection: a double-blinded randomized controlled trial. *Ann Surg*. 2011; 254: 28-38.
45. Sammour T, Kahokehr A, Srinivasa S, Bissett IP, Hill AG. Laparoscopic colorectal surgery is associated with a higher intraoperative complication rate than open surgery. *Ann Surg*. 2011; 253: 35-43.
46. Paddison JS, Sammour T, Kahokehr A, Zargar-Shoshtari K, Hill AG. Development and Validation of the Surgical Recovery Scale (SRS). *J Surg Res*. 2011; 167: e85-91.
47. Kahokehr A, Sammour T, Soop M, Hill AG. Intraperitoneal local anaesthetic in abdominal surgery - a systematic review. *ANZ J Surg*. 2011; 81: 237-45.
48. Kahokehr A, Sammour T, Sahakian V, Zargar-Shoshtari K, Hill AG. Influences on length of stay in an enhanced recovery programme after colonic surgery. *Colorectal Dis*. 2011; 13: 594-9.
49. Srinivasa S, Taylor MH, Sammour T, Kahokehr AA, Hill AG. Oesophageal Doppler-guided fluid administration in colorectal surgery: critical appraisal of published clinical trials. *Acta Anaesthesiol Scand*. 2011; 55: 4-13.
50. Kahokehr A, Sammour T, Srinivasa S, Hill AG. Systematic review and meta-analysis of intraperitoneal local anaesthetic for pain reduction after laparoscopic gastric procedures. *Br J Surg*. 2011; 98: 29-36.
51. Srinivasa S, Sammour T, McEntee B, Davis N, Hill AG. Selective use of magnetic resonance cholangiopancreatography in clinical practice may miss choledocholithiasis in gallstone pancreatitis. *Can J Surg*. 2010; 53: 403-7.
52. Kahokehr A, Sammour T, Vather R, Taylor M, Stapelberg F, Hill AG. Systemic levels of local anaesthetic after intra-peritoneal application—a systematic review. *Anaesth Intensive Care* 2010; 38: 623-38.
53. Kahokehr A, Sammour T, Zargar-Shoshtari K, Connolly AB, Hill AG. Effective multi-modal recovery after open right hemicolectomy. *J Surg Res* 2010; 158: 237.
54. Srinivasa S, Hill LS, Sammour T, Hill AG, Babor R, Rahman H. Early and mid-term outcomes of single-stage laparoscopic sleeve gastrectomy. *Obes Surg* 2010; 20: 1484-90.
55. Sammour T, Kahokehr A, Chan S, Booth RJ, Hill AG. The humoral response after laparoscopic versus open colorectal surgery: a meta-analysis. *J Surg Res* 2010; 164: 28-37.
56. Sammour T, Zargar-Shoshtari K, Bhat A, Kahokehr A, Hill AG. A programme of Enhanced Recovery after Surgery (ERAS) is a cost-effective intervention in elective colonic surgery. *NZ Med J* 2010; 123: 61-70.
57. Kahokehr A, Sammour T, Soop M, Hill AG. Intraperitoneal use of local anesthetic in laparoscopic cholecystectomy: systematic

review and metaanalysis of randomized controlled trials. *J Hepatobiliary Pancreat Sci* 2010; 17: 637-56.

58. Sammour T, Kahokehr A, Hill AG. Independent testing of the Fisher & Paykel Healthcare MR860 Laparoscopic Humidification System. *Minim Invasive Ther Allied Technol* 2010; 19: 219-23.
59. Sammour T, Kahokehr A, Srinivasa S, Hill AG. Re: Improved outcomes for Lap-banding using the Insuflow device compared with heated-only gas. *J Soc Laparoend Surgeons* 2010; 14: 461 – 2.
60. Srinivasa S, Sammour T, Kahokehr A, Hill AG. Enhanced Recovery After Surgery (ERAS) protocols must be considered when determining optimal perioperative care in colorectal surgery. *Ann Surg* 2010; 252: 409.
61. Kahokehr AA, Sammour T, Srinivasa S, Hill AG. Reducing the length of stay for patients undergoing colorectal surgery. *ANZ J Surg* 2010; 80: 195.
62. Sammour T, Kahokehr A, Hayes J, Hulme-Moir M, Hill AG. Warming and humidification of insufflation carbon dioxide in laparoscopic colonic surgery: a double-blinded randomized controlled trial. *Ann Surg* 2010; 251: 1024-33.
63. Sammour T, Kahokehr A, Connolly AB, Bissett IP, Hill AG. Does laparoscopic colectomy have a higher intraoperative complication rate than open colectomy? *Ann Surg* 2010; 251: 577-8.
64. Kahokehr A, Sammour T, Zargar-Shoshtari K, Srinivasa S, Hill AG. Recovery after open and laparoscopic right hemicolectomy: a comparison. *J Surg Res* 2010; 162: 11-6.
65. Srinivasa S, Kahokehr AA, Sammour T, Yu TC, Abbas SM, Hill AG. Use of statins in adhesive small bowel obstruction. *J Surg Res* 2010; 162: 17-21.
66. Kahokehr AA, Sammour T, Zargar-Shoshtari K, Connolly AB, Hill AG. Effective multi-modal recovery after open right hemicolectomy. *J Surg Res* 2010; 158: 237.
67. Sammour T, Kahokehr A, Soop M, Hill AG. Peritoneal damage: the inflammatory response and clinical implications of the neuro-immuno-humoral axis. *World J Surg* 2010; 34: 704-20.
68. Sammour T, Hill AG, Singh P, Ranasinghe A, Babor R, Rahman H. Laparoscopic sleeve gastrectomy as a single-stage bariatric procedure. *Obes Surg* 2010; 20: 271-5.
69. Kahokehr A, Sammour T, Wang K, Sahakian V, Plank LD, Hill AG. Prevalence of malnutrition on admission to hospital – acute and elective general surgical patients. *Europ e-J Clin Nut Metab* 2010; 5: e21-e25.
70. Vather R, Sammour T, Kahokehr A, Connolly AB, Hill AG. Cutoff values for lymph nodes in colon cancer: making a clinical distinction. *Ann Surg Oncol* 2010; 17:327–328.
71. Sammour T, Kahokehr A, Vather R, Connolly AB, Hill AG. Ethnic disparity in colonic cancer outcomes in New Zealand – biology or an access issue? *Colorectal Disease* 2010; 12: e50 – 56.
72. Kahokehr A, Sammour T, Srinivasa S, Hill AG. Enhanced recovery after surgery (ERAS) programmes: design, content, implementation and research in practice. *Compl Nut* 2009; 6: 15 – 17.
73. Benson S, Sammour T, Neuhaus SJ, Findlay B, Hill AG. Burnout in Australasian younger fellows. *ANZ J Surg* 2009; 79: 590 – 597.
74. Zargar-Shoshtari K, Sammour T, Kahokehr A, Connolly AB, Hill AG. Double blind randomised controlled trial of the effect of Glucocorticoids on peritoneal inflammation and post-operative recovery following colectomy. *Brit J Surg* 2009; 96: 1253 – 61.
75. Sammour T, Mittal A, Loveday BPT, Kahokehr A, Phillips ARJ, Windsor JA, Hill AG. Oxidative stress associated with pneumoperitoneum: significance, causes, and prevention. *Brit J Surg* 2009; 8: 836 – 50.
76. Lai C, Sammour T, Roadley G, Wilton G, Hill AG. CT colonography – experience of a rural NZ Hospital. *NZ Med J* 2009; 122: 67 – 73.
77. Vather R, Sammour T, Kahokehr A, Connolly AB, Hill AG. Lymph node evaluation and long-term survival in Dukes B and Dukes C colon cancer. *Ann Surg Oncol* 2009; 16: 585-93.
78. Kahokehr A, Sammour T, Zargar-Shoshtari K, Thompson L, Hill AG. Implementation of ERAS and how to overcome the barriers. *Int J Surg* 2009; 7: 16-9.
79. Vather R, Sammour T, Zargar-Shoshtari K, Metcalf P, Connolly A, Hill A. Lymph node examination as a predictor of long-term outcome in Dukes B colon cancer. *Int J Colorectal Dis* 2009; 24: 283-8.
80. Sammour T, Kahokehr A, Hill AG. Meta-analysis of the effect of warm humidified insufflation on pain after laparoscopy. *Br J Surg* 2008; 95: 950–956.
81. Sammour T, Kahokehr A, Caldwell S, Hill AG. Venous glucose and arterial lactate as biochemical predictors of mortality in clinically severely injured trauma patients: a comparison with ISS and TRISS. *Injury* 2009; 40: 104-8.
82. Sammour KY, Abburu RS, Sammour T. Omental Torsion: A Clinical Twister. *Surgical Practice* 2007; 11: 66 – 70.
83. Sammour T, Poole G, Bartlett A, Blacklock H. Laparoscopic splenectomy at Middlemore Hospital, New Zealand: a safe procedure with heterogeneous indications. *New Zealand Medical Journal* 2006; 119: No 1230.
84. Sammour T; Time to Post-op Chemotherapy for Ovarian Cancer: One Year at an Auckland Tertiary Centre. *NZ Medical Students Journal*, March 2005.

1. Sammour T. Video presentation: Three approaches to the inferior mesenteric artery during robotic D3 lymphadenectomy for rectal cancer. Royal Australasian College of Surgeons Annual Scientific Congress, Adelaide, South Australia. May 2017.
2. Sammour T. Complete mesocolic excision for colon cancer. Royal Australasian College of Surgeons Annual Scientific Congress, Adelaide, South Australia. May 2017.
3. Sammour T. Full time research during surgical training: career killer or stepping stone? Developing a career in academic Surgery Course (DCAS). Royal Australasian College of Surgeons Annual Scientific Congress, Singapore. May 2014.
4. Sammour T. Humidification has no clinically significant impact on clinical outcomes in laparoscopic colonic surgery. F&P Annual Surgical Humidification Conference, Auckland, New Zealand. Dec 2013.
5. Sammour T. Killingback Prize Presentation: Laparoscopic colorectal surgery is associated with a higher intra-operative complication rate than open surgery. American Society of Colon & Rectal Surgeons Annual Meeting, Vancouver, Canada. May 2011.
6. Sammour T. Why surgical trainees should consider a period of fulltime research. Developing a Career in Academic Surgery Course (DCAS). Royal Australasian College of Surgeons Annual Scientific Congress, Adelaide, Australia. May 2011.
7. Sammour T. Killingback Prize Presentation: Double blind randomised controlled trial of the effect of glucocorticoids on peritoneal inflammation and post-operative recovery following colectomy. American Society of Colon & Rectal Surgeons Annual Meeting, Minneapolis, USA. May 2010.
8. Sammour T. Enhanced Recovery After Surgery: Experience in South Auckland. 35<sup>th</sup> Annual Scientific Meeting, Australasian Society of Parenteral & Enteral Nutrition. Christchurch, New Zealand. Oct 2009.
9. Sammour T. Future ERAS directions. Auckland Enhanced-Recovery After Surgery Course 2009, Auckland, New Zealand. April 2009.

## PRESENTATIONS (PRESENTER IN BOLD)

## 68 ABSTRACTS

1. **You Y**, Cuddy A, Sammour T, Hu C, Chang GJ, Eng C, Routbort M, Sanchez EV. Multigene hotspot mutational profiling of young vs later age of onset colorectal cancer using next generation sequencing. Annual Meeting of the American Society of Colon and Rectal Surgeons, Seattle, WA, USA. June 2017.
2. **Malakorn S**, Sammour T, Rojanasakul A. Ligation of intersphincteric fistula tract for fistula in ano: lessons learned from a decade of experience. Annual Meeting of the American Society of Colon and Rectal Surgeons, Seattle, WA, USA. June 2017.
3. **Sandhu L**, Arenas MR, Sammour T, Weldon M, You Y, Bednarski B, Chang GJ. Is extended VTE prophylaxis after minimally invasive surgery for colorectal cancer justified? Results of a systematic literature review. Annual Meeting of the American Society of Colon and Rectal Surgeons, Seattle, WA, USA. June 2017.
4. **Sammour T**, Malakorn S, You Y, Chang GJ. Artificial intelligence assisted analytics of next generation genetic sequencing data in high risk colorectal cancer. Royal Australasian College of Surgeons Annual Scientific Congress, Adelaide, South Australia. May 2017.
5. **Sammour T**, Lewis M, Thomas ML, Lawrence MJ, Hunter A, Moore JW. A simple web-based risk calculator ([www.anastomoticleak.com](http://www.anastomoticleak.com)) is superior to the surgeon's estimate of anastomotic leak after colon cancer resection. Royal Australasian College of Surgeons Annual Scientific Congress, Adelaide, South Australia. May 2017.
6. **Sammour T**, Macleod A, Chittleborough TJ, Chandra R, Shedda SM, Hastie IA, Jones IT, Hayes IP. Poster: Total caseload of a colorectal surgical unit: baseline measurement and identification of areas for efficiency gains. Royal Australasian College of Surgeons Annual Scientific Congress, Adelaide, South Australia. May 2017.
7. **Sammour T**, Malakorn S, Bednarski B, Rodriguez-Bigas M, Chang GJ, Skibber J, You Y. Poster: Longitudinal Trajectory of Cancer Survivorship In Patients With Recurrent Rectal Cancer: Anatomy of Recurrence Impacts Quality Of Life. Royal Australasian College of Surgeons Annual Scientific Congress, Adelaide, South Australia. May 2017.
8. **Sammour T**, Malakorn S, Bednarski BK, You YN, Chang GJ. Poster: oncological outcomes after robotic proctectomy for rectal cancer: analysis of a prospective database. Royal Australasian College of Surgeons Annual Scientific Congress, Adelaide, South Australia. May 2017.
9. **Sammour T**, Price BA, Krause KJ, Chang GJ. Poster: Nonoperative Management or 'Watch and Wait' for Rectal Cancer with Complete Clinical Response After Neoadjuvant Chemoradiotherapy: A Critical Appraisal. Royal Australasian College of Surgeons Annual Scientific Congress, Adelaide, South Australia. May 2017.
10. **Sammour T**, Hayes IP, Jones IT, Steel MC, Faragher I, Gibbs P. Poster: Impact of anastomotic leak on recurrence and survival after colorectal cancer surgery: a BioGrid Australia analysis. Royal Australasian College of Surgeons Annual Scientific Congress, Adelaide, South Australia. May 2017.
11. **Sammour T**, Singh PP, Zargar-Shoshtari K, Su'a B, Hill AG. Poster: Peritoneal Cytokine Levels Can Predict Anastomotic Leak on the First Postoperative Day. Royal Australasian College of Surgeons Annual Scientific Congress, Adelaide, South Australia. May 2017.
12. Feinberg A, Chesney T, Acuna SA, **Sammour T**, Qureshy FA. Poster: Oncologic Outcomes Following Laparoscopic Versus Open Resection of pT4 Colon Cancer: A Systematic Review and Meta-analysis. Royal Australasian College of Surgeons Annual Scientific Congress, Adelaide, South Australia. May 2017.

13. **Malakorn S**, Sammour T, Bednarski BK, You YN, Chang GJ. Three approaches to the inferior mesenteric artery during robotic D3 lymphadenectomy for rectal cancer. *Digestive Diseases Week*. April 2017.
14. **Sammour T**, Malakorn S, Messick C, Bednarski BK, Chang GJ, You YN. Poster: Minimally-Invasive Complete Mesocolic Excision and Central Vascular Ligation for Right Colon Cancer: Defining the Radicality of Central Lymphadenectomy. Society of Surgical Oncology Annual Meeting, Seattle, Washington, USA. March 2017.
15. **Sammour T**, Malakorn S, Bednarski B, Rodriguez-Bigas M, Chang GJ, Skibber J, You Y. The Longitudinal Trajectory of Cancer Survivorship in Patients with Recurrent Rectal Cancer: Anatomy of Recurrence Impacts Prospective Quality of Life and Pain Severity. Society of Surgical Oncology Annual Meeting, Seattle, Washington, USA. March 2017.
16. **Sammour T**, Malakorn S, Messick C, Bednarski BK, Chang GJ, You YN. Poster: Minimally-Invasive Complete Mesocolic Excision and Central Vascular Ligation for Right Colon Cancer: Defining the Radicality of Central Lymphadenectomy. American Society of Clinical Oncology Gastrointestinal Cancers Symposium, San Francisco, California, USA. Jan 2017.
17. **Sammour T**, Malakorn S, Bednarski B, Rodriguez-Bigas M, Chang GJ, Skibber J, You Y. Poster: The Longitudinal Trajectory of Cancer Survivorship in Patients with Recurrent Rectal Cancer: Anatomy of Recurrence Impacts Prospective Quality of Life and Pain Severity. American Society of Clinical Oncology Gastrointestinal Cancers Symposium, San Francisco, California, USA. Jan 2017.
18. Malakorn S, **Sammour T**, Rojanasakul A. Poster: Ligation of intersphincteric fistula tract for fistula in ano: lessons learned from a decade of experience. Royal Australasian College of Surgeons Annual Scientific Congress, Adelaide, South Australia. May 2017.
19. **Barazanchi A**, Sammour T, Hill AG. Evidence-based management of pain after haemorrhoidectomy surgery - a PROSPECT review update. Royal Australasian College of Surgeons Annual Scientific Congress, Brisbane, Australia. May 2016.
20. Sammour T, **Chandra R**, Moore JW. Extended venous thromboembolism prophylaxis after colorectal cancer surgery: the current state of the evidence. Royal Australasian College of Surgeons Annual Scientific Congress, Brisbane, Australia. May 2016.
21. **Vather R**, Josephson R, Jaung R, Kahokehr A, Sammour T, Bissett I. Gastrografin in prolonged post-operative ileus – a double-blinded randomised controlled trial. Royal Australasian College of Surgeons Annual Scientific Congress, Brisbane, Australia. May 2016.
22. Sammour T, Singh PP, Zargar-Shoshtari K, Su'a B, **Hill AG**. Peritoneal cytokine levels can predict anastomotic leak on the first post-operative day. World Congress of Enhanced Recovery After Surgery, Lisbon, Portugal. April 2016.
23. **Feinberg A**, Chesney T, Acuna SA, Sammour T, Quereshy FA. Oncologic Outcomes Following Laparoscopic Versus Open Resection of pT4 Colon Cancer: A Systematic Review and Meta-analysis. Society of Surgical Oncology 69th Annual Cancer Symposium. Boston, USA. March 2016.
24. **Sammour T**. Colorectal surgery in Australia and New Zealand. American Society of Colon and Rectal Surgeons. Annual Meeting, Boston, USA. May 2015.
25. **Sammour T**. Oncological outcomes of laparoscopic vs open colectomy: Analysis of a large prospective clinical database. Surgical Research Society Annual Scientific Meeting, Adelaide. Nov 2014.
26. **Sammour T**, Hill AG. Five year follow-up of a randomised controlled trial on warming and humidification of insufflation gas in laparoscopic colonic surgery – Impact on adhesion formation and oncologic outcomes. Royal Australasian College of Surgeons Annual Scientific Congress, Singapore. May 2014.
27. **Sammour T**, Hill AG. The impact of warming and humidification on oxidative stress associated with pneumoperitoneum in rats. Royal Australasian College of Surgeons Annual Scientific Congress, Singapore. May 2014.
28. **Broadbent E**, Kahokehr A, Wheeler B, Sammour T, Hill AG, Booth R. The effect of a psychological intervention on stress, wound healing, and fatigue after surgery. Royal Australasian College of Surgeons Annual Scientific Congress, Adelaide, Australia. May 2011. *ANZ J Surg* 2011, 81(S1): GS12.
29. **Kahokehr A**, Robertson P, Sammour T, Hill AG, Soop M. Perioperative care: A survey of New Zealand and Australian colorectal surgeons. Royal Australasian College of Surgeons Annual Scientific Congress, Adelaide, Australia. May 2011. *ANZ J Surg* 2011, 81(S1): CR28P.
30. **Sammour T**, Kahokehr A, Hayes J, Hulme-Moir M, Hill AG. Humidification in laparoscopic colonic surgery: a multicentre, double blinded randomised controlled trial. Royal Australasian College of Surgeons NZ Annual Scientific Meeting, Queenstown, NZ, Aug 2010.
31. **Sammour T**, Kahokehr A, Srinivasa S, Bissett IP, Hill AG. Laparoscopic colorectal surgery is associated with a higher intra-operative complication rate than open surgery. Royal Australasian College of Surgeons NZ Annual Scientific Meeting, Queenstown, NZ, Aug 2010.
32. **Sammour T**, Kahokehr A, Hayes J, Hulme-Moir M, Hill AG. Humidification in laparoscopic colonic surgery: a multicentre, double blinded randomised controlled trial. Royal Australasian College of Surgeons Annual Scientific Congress, Perth, Australia. May 2010.
33. **Sammour T**, Kahokehr A, Zargar-Shoshtari K, Hill AG. The humoral response in laparoscopic versus open colectomy: a case control study. Royal Australasian College of Surgeons Annual Scientific Congress, Perth, Australia. May 2010.
34. **Sammour T**, Kahokehr A, Srinivasa S, Bissett IP, Hill AG. Laparoscopic colorectal surgery is associated with a higher intra-operative complication rate than open surgery. Royal Australasian College of Surgeons Annual Scientific Congress, Perth,



Australia. May 2010.

35. **Sammour T**, Kahokehr A, Hayes J, Hulme-Moir M, Hill AG. Humidification in laparoscopic colonic surgery: a multicentre, double blinded randomised controlled trial. 5<sup>th</sup> Annual Academic Surgical Congress, San Antonio, Texas, Feb 2010.
36. **Sammour T**, Kahokehr A, Chan S, Booth RJ, Hill AG. The humoral response in laparoscopic versus open colectomy: a meta-analysis. 5<sup>th</sup> Annual Academic Surgical Congress, San Antonio, Texas, Feb 2010.
37. **Sammour T**, Kahokehr A, Zargar-Shoshtari K, Hill AG. The humoral response in laparoscopic versus open colectomy: a case control study. 5<sup>th</sup> Annual Academic Surgical Congress, San Antonio, Texas, Feb 2010.
38. **Srinivasa S**, Kahokehr A, Sammour T, Yu T, Abbas SM, Hill AG. Statin use in adhesive small bowel obstruction. 5<sup>th</sup> Annual Academic Surgical Congress, San Antonio, Texas, Feb 2010.
39. **Kahokehr A**, Sammour T, Zargar-Shoshtari K, Connolly AB, Hill AG. Effective multi-modal recovery after open right hemicolectomy. 5<sup>th</sup> Annual Academic Surgical Congress, San Antonio, Texas, Feb 2010.
40. **Kahokehr A**, Sammour T, Zargar-Shoshtari K, Connolly AB, Hill AG. Intraperitoneal use of local anesthetic agents in open abdominal surgery - a systematic review and meta-analysis of randomized controlled trials. 5<sup>th</sup> Annual Academic Surgical Congress, San Antonio, Texas, Feb 2010.
41. **Sammour T**, Kahokehr A, Hayes J, Hulme-Moir M, Hill AG. Humidification in laparoscopic colonic surgery: a multicentre, double blinded randomised controlled trial. Surgical Research Society Annual Meeting, Adelaide, Australia, Nov 2009.
42. **Sammour T**, Kahokehr A, Chan S, Booth RJ, Hill AG. The humoral response in laparoscopic versus open colectomy: a meta-analysis. Surgical Research Society Annual Meeting, Adelaide, Australia, Nov 2009.
43. **Sammour T**, Kahokehr A, Zargar-Shoshtari K, Hill AG. The humoral response in laparoscopic versus open colectomy: a case control study. Surgical Research Society Annual Meeting, Adelaide, Australia, Nov 2009.
44. **Sammour T**, Kahokehr A, Hayes J, Hulme-Moir M, Hill AG. Humidification in laparoscopic colonic surgery: a multicentre, double blinded randomised controlled trial. Surgical Research Society Annual Meeting, Adelaide, Australia, Nov 2009.
45. **Sammour T**, Kahokehr A, Hayes J, Hulme-Moir M, Hill AG. Humidification in laparoscopic colonic surgery: a multicentre, double blinded randomised controlled trial. Sir Edward Hughes Memorial Clinical Research Prize in Surgery. Cabrini Institute, Department of Surgery, Cabrini Monash University, Melbourne, Australia, Oct 2009.
46. **Sammour T**, Hill AG, Singh P, Ranasinghe A, Babor R, Rahman H. Laparoscopic sleeve gastrectomy as a single stage bariatric procedure. International Surgical Week, Adelaide, Australia. Sept 2009. World J Surg 2009, 33(Supplement 1): S106.
47. **Sammour T**, Zargar-Shoshtari K, Bhat A, Kahokehr A, Hill AG. A program of enhanced recovery after surgery (ERAS) is a cost-effective intervention in elective colonic surgery. International Surgical Week, Adelaide, Australia. Sept 2009. World J Surg 2009, 33(Supplement 1): S139.
48. **Kahokehr A**, Sammour T, Sahakian V, Zargar-Shoshtari K, Hill AG. Predictors of day stay after colonic surgery in a structured multi-modal care program. International Surgical Week, Adelaide, Australia. Sept 2009. World J Surg 2009, 33(Supplement 1): S58.
49. **Kahokehr A**, Sammour T, Wang K, Sahakian V, Plank LD, Hill AG. Nutritional status of acute surgical patients as a predictor of hospital stay. International Surgical Week, Adelaide, Australia. Sept 2009. World J Surg 2009, 33(Supplement 1): S240.
50. **Vather R**, Sammour T, Kahokehr A, Connolly AB, Hill AG. Lymph node evaluation and long-term survival in Stage II and stage III colon cancer: a national study. International Surgical Week, Adelaide, Australia. Sept 2009. World J Surg 2009, 33(Supplement 1): S64.
51. **Srinivasa S**, Sammour T, McEntee B, Davis N, Hill AG. Selective magnetic resonance cholangio-pancreatography (MRCP) may miss choledocholithiasis in gallstone pancreatitis. International Surgical Week, Adelaide, Australia. Sept 2009. World J Surg 2009, 33(Supplement 1): S149.
52. **Sammour T**, Hill AG, Singh P, Ranasinghe A, Babor R, Rahman H. Laparoscopic sleeve gastrectomy – the first 100 patients. Counties Manukau District Health Board Science Fest June 2009.
53. **Sammour T**, Hill AG, Singh P, Ranasinghe A, Babor R, Rahman H. Laparoscopic sleeve gastrectomy as a single stage bariatric procedure. Royal Australasian College of Surgeons Annual Scientific Congress, Brisbane, Australia. May 2009. ANZ J Surg 2009, 79(S1): A2.
54. **Sammour T**, Zargar Shoshtari K, Kahokehr A, Connolly AB, Hill AG. Double blind randomised controlled trial of the effect of Glucocorticoids on peritoneal inflammation and post-operative recovery following colectomy. Royal Australasian College of Surgeons Annual Scientific Congress, Brisbane, Australia. May 2009. ANZ J Surg 2009, 79(S1): A9.
55. **Sammour T**, Kahokehr A, Vather R, Connolly AB, Hill AG. Ethnic disparity in colonic cancer outcomes in New Zealand – biology or an access issue? Royal Australasian College of Surgeons Annual Scientific Congress, Brisbane, Australia. May 2009. ANZ J Surg 2009, 79(S1): A79.
56. **Kahokehr A**, Sammour T, Wang K, Plank LD, Hill AG. Nutritional status of acute surgical patients as a predictor of hospital stay. Royal Australasian College of Surgeons Annual Scientific Congress, Brisbane, Australia. May 2009. ANZ J Surg 2009, 79(S1): A26.
57. **Vather R**, Sammour T, Kahokehr A, Connolly AB, Hill AG. Lymph node evaluation and long-term survival in Dukes B and Dukes C colon cancer. Royal Australasian College of Surgeons Annual Scientific Congress, Brisbane, Australia. May 2009. ANZ J Surg 2009, 79(S1): A79.

58. **Sammour T**, Benson S, Neuhaus SJ, Findlay B, Hill AG. Burnout in Australasian Younger Fellows – poster presentation. Royal Australasian College of Surgeons Annual Scientific Congress, Brisbane, Australia. May 2009. ANZ J Surg 2009, 79(S1): A30.
59. **Kahokehr A**, Sammour T, Sahakian V, Zargar Shoshtari K, Hill AG. Predictors of day stay after colonic surgery in a structured multi-modal care program – poster presentation. Royal Australasian College of Surgeons Annual Scientific Congress, Brisbane, Australia. May 2009. ANZ J Surg 2009, 79(S1): A15–A16.
60. **Srinivasa S**, Sammour T, McEntee B, Davis N, Hill AG. Selective MRCP in gallstone pancreatitis may miss choledocolithiasis – poster presentation. Royal Australasian College of Surgeons Annual Scientific Congress, Brisbane, Australia. May 2009. ANZ J Surg 2009, 79(S1): A33.
61. **Sammour T**, Kahokehr A, Hill AG. The effect of warmed, humidified insufflation on postoperative pain in Laparoscopy – A meta-analysis. Surgical Research Society, 45<sup>th</sup> Annual Meeting, Adelaide, Australia. November 2008.
62. **Sammour T**, Kahokehr A, Hill AG. The effect of warmed, humidified insufflation on postoperative pain in Laparoscopy – A meta-analysis. Royal Australasian College of Surgeons Conference NZ Annual Scientific Meeting, Palmerston North, New Zealand. August 2008.
63. **Sammour T**, C Lai, Roadley G, Wilton G, Hill AG. CT colonography in a rural New Zealand hospital. Royal Australasian College of Surgeons Conference NZ Annual Scientific Meeting, Palmerston North, New Zealand. August 2008.
64. **Sammour T**, Kahokehr A, Caldwell S, Hill AG. Venous glucose and arterial lactate as biochemical predictors of mortality in clinically severely injured trauma patients – a comparison with ISS and TRISS. Royal Australasian College of Surgeons Annual Scientific Congress, Hong Kong. May 2008. ANZ J Surg 2008, 78(S1): A138.
65. **Vather R**, Sammour T, Zargar-Shoshtari K, Metcalf P, Connolly AB, Hill AG. Lymph node retrieval as a predictor of long-term outcome in Dukes' B colon cancer. Royal Australasian College of Surgeons Annual Scientific Congress, Hong Kong. May 2008.
66. **Sammour T**, Kahokehr A, Caldwell S, Hill AG. Venous glucose and arterial lactate as biochemical predictors of mortality in clinically severely injured trauma patients – a comparison with ISS and TRISS. NZ Association of General Surgeons Conference, 4-6 April 2008. Winner of Best Registrar Presentation (\$1000 educational grant).
67. **Sammour T**, Poole G. Laparoscopic Splenectomy in Middlemore Hospital – poster presentation. New Zealand Clinical Research Conference, 27 – 28<sup>th</sup> May 2005. Auckland, NZ.
68. **Sammour T**, Poole G. Laparoscopic Splenectomy in Middlemore Hospital. Counties Manukau District Health Board Science Fest 2005, 8<sup>th</sup> May 2005. Auckland, NZ.

## COURSES

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- Laparoscopic colorectal surgery masterclass, Brisbane, Australia, Nov 2015
- Developing a Career in Academic Surgery Course, Royal Australasian College of Surgeons, May 2011, May 2014
- Definitive Surgical Trauma Course (DSTC), Melbourne, Australia, Nov 2013
- Auckland Enhanced-Recovery after Surgery Course, Auckland, New Zealand. April 2009, April 2010
- Hand-Assisted Laparoscopic Colorectal Surgery Workshop, University of Auckland, Auckland, NZ. July 2008

## EDUCATION

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### 2012 USMLE / ECFMG Certification

- USMLE Step 2CS: Pass
- USMLE Step 2CK: 241 / 99<sup>th</sup> percentile
- USMLE Step 1: 234 / 84<sup>th</sup> percentile

### 2007 – 2011 University of Auckland School of Medicine, Auckland, NZ

- PhD by thesis in Surgery

### 1999 – 2004 University of Auckland School of Medicine, Auckland, NZ

- BHB / MBChB **A+** with Distinction

### 1998 Avondale College, Auckland, NZ

- Average in 7<sup>th</sup> form (final high school year): **A+**
- 1998 NZQA bursary exam: Biology **A\***, Chemistry **A\***, Physics **A\***, Calculus **A\***, English **B**. Total score: 431.
- 1998 NZEST scholarship exam: Biology **Merit**, Physics **Merit**, Chemistry **Distinction**, Calculus **Distinction**.

### 1985 – 1998 The International School of Choueifat, UAE

- 1997 TOEFL: 653/670, 'AS' level IGCSE exam: Mathematics **A**
- 1996 'O' levels: Biology **A**, Chemistry **A**, Physics **A**, English **A**, Arabic **A\***, Economics **A**, Computer Studies **A\***