

## **RESEARCH, PRESENTATIONS & PUBLICATIONS**

### **Oral Presentations**

ChAT and NOS Immunoreactive Neurons in Human Colon.

Free paper. Asia Pacific Digestive Diseases Week, September 2001, Sydney, Australia.

Neurochemical Coding of Extrinsic Mesenteric Nerves in Human Colon and Guinea-pig Small Intestine. Free paper. Annual Scientific Congress RACS, May 2002, Adelaide, Australia.

5-Hydroxytryptamine Immunoreactive Neurons in Human Colon. Free paper. Annual Scientific Meeting of South Australian State Committee of RACS, August 2002, Adelaide, Australia.

5-Hydroxytryptamine Immunoreactive Neurons in Human Colon. Free paper. Australian Gastroenterology Week, September 2002, Adelaide, Australia.

Neurochemical Coding of Extrinsic Mesenteric Nerves in Human Colon and Guinea-pig Small Intestine. Free paper. Tripartite Colorectal Meeting, October 2002, Melbourne, Australia.

Haemorrhoids-Surgical Options. Invited Speaker in Fellows Forum. Annual Scientific Congress RACS, May 2003, Brisbane , Australia.

Intrinsic Cholinergic and Nitrergic Neurons are altered in Slow Transit Constipation. Free paper. Annual Scientific Congress RACS, May 2003, Brisbane , Australia.

Intrinsic Cholinergic and Nitrergic Neurons are altered in Slow Transit Constipation. Possible therapeutic implications? Free paper. Annual Meeting of the Association of Coloproctology of Great Britain and Ireland, June28-May1 2004, Birmingham , United Kingdom.

Perforated Appendiceal Tumours Presenting as Pseudomyxoma Peritonei Syndrome. Surgical Findings, Pathological Features and Outcomes in 123 Cases. Free paper General Surgery Section. Association of Surgeons of Great Britain and Ireland Meeting, April 2005, Glasgow, UK

Overall Disease Free Survival Following Complete Cytoreduction and Intraperitoneal Chemotherapy for Peritoneal Surface Malignancy, Predominantly of Appendiceal Origin in 95 patients. "Six of the Best" General papers. Association of Surgeons of Great Britain and Ireland Meeting, April 2005, Glasgow, UK

What Happens to Patients Following Surgery For Peritoneal Malignancy with Incomplete Tumour Removal? Analysis of 100 consecutive laparotomies. Free paper Colorectal Surgery. Royal College of Surgeons of Edinburgh Meeting, July 2005, Edinburgh, UK

A Novel Pelvic Floor Closure Technique Using Porcine Dermal Collagen After Abdomino-perineal Excision of the Rectum. Free Paper. European Association of Coloproctology Meeting, September 2005, Bologna, Italy

Reality Surgery in Colorectal Surgery. Invited speaker at 10<sup>th</sup> annual Basingstoke Rectal Cancer Symposium, October 2005, Basingstoke, UK  
Colorectal Cancer. Invited speaker at Mens' Health- No More Secrets Symposium, October 2006, Burnside, SA, Australia

Acute Repair of Third and Fourth Degree Tears- A Colorectal Surgeon's View. Invited Speaker at Spring Meeting of the Colorectal Surgical Society of Australasia, October 2007, Victor Harbour, SA, Australia

Obstetric Pelvic Floor Trauma Workshop- Invited Speaker at Annual Continence Foundation of Australia Meeting, November 2009, Adelaide, SA, Australia

Sphincters and Childbirth- a design fault? What to do? - Invited Speaker at Annual Continence Foundation of Australia Meeting, November 2009, Adelaide, SA, Australia

Obstetric Trauma - Invited Speaker at Brian Pridmore Symposium, October 2011 Adelaide, SA, Australia

Faecal incontinence after vaginal birth- Invited Speaker at Annual meeting of South Australian Perioperative Nurses Association Meeting, October 2011, Adelaide, SA, Australia

Management of the high output Ileostomy- Invited Speaker at World Congress of Enterostomal Therapy, April 2012, Adelaide , SA, Australia

Management of Stage IV Colorectal Cancer, Invited Speaker at Spring Meeting of the Colorectal Surgical Society of Australia and New Zealand , October 2012, Melbourne, Victoria, Australia

Surgical Options for Faecal Incontinence, Invited Speaker at "Nurses in Collaboration" , Combined Study Day Of Continence Nurses, Urology Nurses, and Stomal Therapists of South Australia June 2013 Clapham, South Australia

## **Posters**

Neurochemical and Lesion Studies of Mesenteric Nerves in Human Colon and Guinea Pig Ileum  
Poster Presentation at Australian Gastroenterology Week October 2000, Hobart, Tasmania, Australia.

Immunohistochemistry of Extrinsic Nerve Fibres in Human Colon and Guinea Pig Small Intestine  
Poster Presentation at Australian Neuroscience Society Annual Conference January 2001, Brisbane, Australia.

Calcium Binding Proteins in Human Enteric Neurons  
Poster Presentation at Australian Neuroscience Society Annual Conference February 2002, Sydney, Australia.

5-Hydroxytryptamine Immunoreactive Neurons in Human Small and Large Intestine  
Poster Presentation at Australian Neuroscience Society Annual Conference February 2003, Adelaide, Australia.

Intrinsic Cholinergic and Nitrergic Neurons are altered in Slow Transit Constipation  
Poster Presentation at Digestive Diseases Week May 2003, Florida, USA

Operative Findings, Pathological Features, and Early Outcomes in 123 Perforated  
Appendiceal Tumours Presenting as Pseudomyxoma Peritonei  
Poster Presentation at Tripartite Colorectal Meeting, July 2005, Dublin, Ireland.

Major Palliative Cytoreduction for Peritoneal Malignancy: Early Outcomes with Effective  
Palliation Poster Presentation at European Association Of Coloproctology Meeting,  
September 2005, Bologna, Italy

Colorectal Dysfunction Following Obstetric Anal Sphincter Injury  
Poster Presentation, RACS, May 2010, Perth, Australia

### **Published abstracts**

Murphy EM, Wattchow DA, Brookes SJH, Costa M. Neurochemical and Lesion Studies of  
Mesenteric Nerves in Human Colon and Guinea Pig Ileum  
Abstract for poster presentation at Australian Gastroenterology. Week October 2000.  
J.Gastr Hepatol 2002;15(Suppl):A

Murphy EM, Wattchow DA, Brookes SJH, Costa M. ChAT and NOS Immunoreactive  
Neurons in Human Colon. Abstract for poster presentation at Asia-Pacific Digestive Week,  
September 2001. J.Gastr Hepatol 2002;16(Suppl):A

Murphy EMA, Wattchow DA, Brookes SJH, Costa M. 5-hydroxytryptamine immunoreactive  
neurons in human colon. Abstract for paper presented at Australian Gastroenterology  
Week September 2002. J.Gastr Hepatol 2002;17(Suppl):A107

Murphy EMA, Wattchow DA, Brookes SJH, Costa M Neurochemical Coding of Extrinsic  
Mesenteric Nerves in Human Colon and Guinea-pig Small Intestine. Abstract for paper  
presented at ASC RACS, May 2002. ANZ J Surg 2002;72(Suppl):A22

Murphy EMA Haemorrhoidectomy: Surgical Options. Abstract for paper presented at ASC  
RACS, May 2003. ANZ J Surg 2003;73(Suppl):A13

Murphy EMA, Wattchow DA, Brookes SJH, Costa M Intrinsic Cholinergic and Nitrergic  
Neurons are altered in Slow Transit Constipation. Abstract for paper presented at ASC  
RACS, May 2003. ANZ J Surg 2003;73(Suppl):A17

Murphy EMA, Wattchow DA, Brookes SJH, Costa M Intrinsic Cholinergic and Nitrergic  
Neurons are altered in Slow Transit Constipation. Abstract for paper presented at DDW  
AGA, Florida USA May 2003. Gastroenterology 2003;110 (Suppl ):T1803

Murphy EMA, Wattchow DA, Brookes SJH, Costa M Intrinsic Cholinergic and Nitrergic  
Neurons are altered in Slow Transit Constipation. Abstract for paper presented at  
Association of Coloproctology Meeting of Great Britain and Ireland, Birmingham, UK, July  
2004. Colorectal Disease 2004;6(Suppl 1):1-91

Murphy E, Meade B, Sexton R, Cecil TD, Moran BJ Perforated Appendiceal Tumours  
Presenting as Pseudomyxoma Peritonei Syndrome. Surgical Findings, Pathological

Features and Outcomes in 123 Cases. Abstract for paper. Association of Surgeons of Great Britain and Ireland Meeting, April 2005, Glasgow, UK. BJS 2005;92(Suppl 1):21-25

Murphy E, Meade B, Sexton R, Cecil TD, Moran BJ Overall Disease Free Survival Following Complete Cytoreduction and Intraperitoneal Chemotherapy for Peritoneal Surface Malignancy, Predominantly of Appendiceal Origin in 95 patients. Abstract for paper. Association of Surgeons of Great Britain and Ireland Meeting, April 2005, Glasgow, UK BJS 2005;92(Suppl 1):111-113

Murphy EMA, Payne R, Farquharson SM, Meade B, Sexton R, Cecil TD, Moran, BJ Operative Findings, Pathological Features, and Early Outcomes in 123 Perforated Appendiceal Tumours Presenting as Psuedomyxoma Peritonei. Abstract for poster presented at Tripartite Colorectal Meeting, July 2005, Dublin, Ireland. Colorectal Disease 2005;7(Suppl 1):1-151

Murphy EMA, Croxford MA, Daniel M, Moran BJ, Gold, DM A Novel Pelvic Floor Closure Technique Using Porcine Dermal Collagen After Abdomino-perineal Excision of the Rectum. Abstract for paper presented at European Association of Coloproctology meeting, September, 2005, Bologna, Italy Colorectal Disease 2005;7(Suppl 2):1-110

Murphy EMA, Farquharson SM, Sexton R, Cecil TD, Moran, BJ Major Palliative Cytoreduction for Peritoneal Malignancy: Early Outcomes with Effective Palliation. Abstract for poster presented at European Association of Coloproctology meeting, September, 2005, Bologna, Italy. Colorectal Disease 2005;7(Suppl 2):1-110

Raju DP, Coates D, Kapoor R, Murphy EM, Steel E, Tucker J. Colorectal Dysfunction Following Obstetric Anal Sphincter Injury. Abstract for poster presented at the Annual Scientific Congress of the Royal Australasian College of Surgeons, May, 2010, Perth, Australia. ANZ J Surg 2010;80(Suppl1) A15-A24

Nabi H, Harley S, Murphy E Junior Surgical Night Staff Support and Training. Abstract for paper presented at the Annual Scientific Congress of the Royal Australasian College of Surgeons, May, 2012, Kuala Lumpur, Malaysia. ANZ J Surg 2012;82(Suppl 1):157-64

Nabi H, Harley S, Murphy E The Perils and Triumphs of Night Surgical Residents across South Australia. Abstract for paper presented at the Annual Scientific Congress of the Royal Australasian College of Surgeons, May, 2013, Auckland, New Zealand. ANZ J Surg 2013;83(Suppl 1):86-92

## **Publications**

Tonkin D, Murphy E, Brooke-Smith M, Hollington P, Richardson N, Rieger N, Wattchow D. Perianal abscess- A pilot study of comparing cavity packing with non-packing of the abscess cavity. Dis Colon Rectum. 2004;47(9):1510-4

Murphy EMA, Farquharson SM, Moran, BJ Management of the Unexpected Appendiceal Neoplasm. BJS. 2006;93:783-92

Moran B, Meade B, Murphy E Hyperthermic Intraperitoneal Chemotherapy and Cytoreductive Surgery for Peritoneal Carcinomatosis of Colorectal Origin: A Novel Treatment Strategy with Promising Results In Selected Patients. Colorectal Disease 2006;8:544-50

Murphy EM, Sexton R, Moran BJ. Early Results of Surgery in 123 Patients with Pseudomyxoma Peritonei From a Perforated Appendiceal Neoplasm. Dis Colon Rectum 2007;50(1):37-42

Murphy EMA, DeFontgalland D, Wattchow DA, Brookes SJH, Costa M. Quantification of Subclasses of Human Colonic Myenteric Neurones by Immunoreactivity to Hu, Choline Acetyltransferase and Nitric Oxide Synthase. Neurogastroent Motility. 2007;19(2):126-134

Yano H, Moran BJ, Cecil TD, Murphy EM Cytoreductive Surgery and Intraperitoneal Chemotherapy for Peritoneal Mesothelioma Eur J Surg Oncol 2008 Oct 30  
Acetyltransferase and Nitric Oxide Synthase. Neurogastroent Motility. 2007;19(2):126-134

Wattchow D, Brookes S, Murphy E, DeFontgallard D, Costa M. Regional Variation in the Innervation of the Human Colon and Changes in Patients with Slow Transit Constipation Neurogastroent Motility, 2008;20(12):1298-305

Singh R, Neo EN, Nordeen, N, Shanmuganathan G, Ashby A, Drummond S, Nind, G, Murphy E, Luck A, Tucker G, Tam W Carbon dioxide insufflation during colonoscopy in deeply sedated patients Worls J Gastroenterol 2012;18:3250-3

Nabi H, Harley S, Murphy E The Perils and Triumphs of Night Surgical Residents across South Australia J Surgical Education 2013;70:265-72

### **Current research involvement**

I have a keen interest in research, both with my work in colorectal surgery, my pelvic floor work in conjunction with Obstetrics and Gynaecology, and surgical education

I collaborated with Donna Coates, a nurse practitioner on her Masters project in 2012

I am a supervisor for Julie Tucker, a continence nurse specialist embarking on a PhD

I am a co-investigator on the following projects with ethics approval

- Peri-operative anaemia management with intravenous iron in abdominal surgery

I am the principal investigator on the following study, with ethics approval

- Sex differences in mechanisms that promote colorectal cancer

I am a principal investigator on 3 projects currently before the local ethics committee

- Effect of an anti-inflammatory diet on patients with rectal cancer
- Randomised controlled trial of lignocaine gel in patients undergoing haemorrhoidal banding
- Media Usage and Information Acquisition in Patients newly diagnosed with Colorectal Cancer