

ALFRED COLORECTAL SERVICE

ACTIVE RESEARCH PROJECTS

1. Anal intraepithelial neoplasia (Unit)

Abstract presented at College meeting – Robert.

Paper entitled “AIN. How do we follow-up?” is completed and has been submitted to ANZJS. Major revision requested.

COX-2 expression in AIN and SCC anus.

Anal mapping for AIN

Oral presentation accepted at Victorian scientific meeting.

First draft of paper completed. Stewart and Steve to review.

2. CRC Database (Carne)

Submitted for Ethics Approval

3. Lymph node yield in colorectal cancer (Bell)

A randomized study to determine if blue dye staining of resection specimens will improve lymph node yield and accuracy of pathological staging after bowel resection.

Study underway.

Chris is co-ordinating. To be presented at next meeting. Submitted to RACS Scientific meeting.

4. What is the effect of colonoscopic polypectomy on WCC and CRP. (Wale)

Jocelyn has undertaken literature review.

?small grant from CSSANZ

Pilot study needed – Chris to co-ordinate

5. Faecal Incontinence (Farmer/ Bell/ Skinner)

(Literature review and update concentrating on new therapies.)

Review of patients presenting to MGIU for investigation of incontinence with the aim of categorising the causes of incontinence and determining

the incidences of the various causes. This would then give information on the likely need for the various treatment options (PTP, ABS, SNS etc.) – Needs a feasibility study of 20 patients on MGIU database

Jen Shoobridge has completed pilot study and literature review - study seems feasible

6. Management of Pseudo-obstruction (Raj, Martin)

Audit of Alfred experience
Literature review to be presented.
Review of current management protocol.

7. Combination treatment for anal fissures (Chip, Paul, Walid)

Anal pressure measurements after BoTox and GTN
Needs ethics submission
CSSANZ Foundation grant

8. Accreditation for endoanal ultrasound (Chip, Chris, P.Stewart)

Postal questionnaire

9. Cystic Fibrosis and Bowel Obstruction (Walid/ S.Bell)

More work to be done. For completion by 2009 fellow

10. Fast-track recovery after R. Hemicolectomy (P.Carne/S.Bell)

PROPOSED RESEARCH PROJECTS

11. Anal fissure

Rotation advancement flap v sphincterotomy

12. Case Report

Villous adenoma leading to renal failure

En bloc resection of seminal vesicles

13. Local recurrence after APR

Retrospective review ?inadequate numbers

14. Pre-operative staging in colorectal cancer

Use of routine PET Scan in pre-op staging for CRC – How does this affect management?

Vivien is co-ordinating.

OR

A comparative study of CT Chest, Chest Xray or nothing.

No current progress.

15. Mesorectal lymph nodes (Farmer/Carne)

Number of nodes found in autopsy specimens.

Methods for increasing yield in pathology specimens.

Rectal Ultrasound in Cadavers.

Comparison of lymph node yield in High tie v. Low tie ex vivo

Literature review required

16. Post-operative fluid management (Skinner)

a. Literature Review

b. Hypothesis – Using normal saline only causes less fluid retention and better urine output after colorectal surgery. Are hourly urine measures necessary? Effect of laparoscopic surgery?

c. Methods – Comparative study of normal saline only versus saline and dextrose regimes. Patients undergoing colon or rectal resection.

d. Outcome measures – Daily weight, daily fluid balance, resolution of ileus, adverse events (pulmonary oedema, etc.)

17. Perineal Wound Healing (Skinner)

A randomised trial of wound dressings for open perineal wounds, eg; Standard dressings v. Medihoney v. Kenacomb ointment.

18. Constipation (Farmer)

Effect of oral fluid intake on bowel function.

19. Fistula Surgery (Carne)

- a. Randomized trial of fistula plug v LIFT procedure

20. Hartmanns procedure for Trauma (Carne)

PUBLICATIONS

1. Marwan K, Farmer KC, Varley C, Chapple KS. Pneumothorax, pneumomediastinum, pneumoperitoneum, pneumoretroperitoneum and subcutaneous emphysema following diagnostic colonoscopy. Ann R Coll Surg Engl 2007; 89(5): W20-1.
2. A.Smith, K.C.Farmer, K.Chapple. Clinical and endorectal ultrasound staging of circumferential rectal cancers. J Med Imaging Radiat Oncol. 52(2): 161-163, 2008.
3. R.D.Winn, D.R.Robinson, K.C.Farmer, S.W.Bell. Deficiencies in pathological reporting of colorectal cancer in Victoria. ANZ Journal of Surgery. 78(9);796-799, 2008.
4. L.F. Miles, C.J. Wakeman and K.C. Farmer. Giant villous adenoma presenting as McKittrick-Wheelock syndrome and pseudo-obstruction. Med J Aust. 192(4); 225-227. 2010.