

**Curriculum Vitae for Jonathan E Efron**  
**The Johns Hopkins University of School of Medicine**

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**Jonathan E Efron**

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**Date**

**DEMOGRAPHIC INFORMATION**

**Current academic appointments:**

2009 – Present      Associate Professor of Surgery  
The Mark M Ravitch Endowed Professorship in Surgery  
Chief of the Ravitch Division of GI Surgery  
Department of Surgery  
Division of Colorectal Surgery  
Johns Hopkins University  
600 N Wolfe Street  
Blalock 656  
Baltimore MD, 21287

2005 – Present      Associate Professor of Surgery  
Divisions of Colorectal and General Surgery  
Mayo Clinic College of Medicine

**Personal Data**

Department of Surgery  
Division of Colorectal Surgery  
Johns Hopkins University  
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**Education and Training:**

Undergraduate

1985-1989      Bachelor of Arts, Major: Biology; Minor: Classics  
Franklin and Marshall College, Lancaster, PA  
Phi Beta Kappa  
Cum Laude Graduate

Doctoral / graduate

1989-1993      Doctor of Medicine

University of Maryland School of Medicine, Baltimore, MD

Postdoctoral

- 1993-1994 Intern General Surgery  
Long Island Jewish Medical Center
- 1994-1998 Residency in General Surgery  
Long Island Jewish Medical Center
- 1998-1999 Clinical Fellowship in Colon and Rectal Surgery  
Cleveland Clinic Florida
- 1999-2000 Research Fellow Colon and Rectal Surgery  
Cleveland Clinic Florida

**Professional Experience:**

- 2000-2001 Clinical Associate Surgeon in Colon and Rectal Surgery, Cleveland Clinic Florida-Ft  
Lauderdale
- 2001-2003 Clinical Associate Surgeon in Colon and Rectal Surgery, Cleveland Clinic Florida-Naples
- 2002-2003 Associate Staff Surgeon in Colon and Rectal Surgery, Cleveland Clinic Florida-Naples
- 2003- 2005 Staff Surgeon in Colon and Rectal Surgery, Director of Surgical Endoscopy, Cleveland Clinic  
Florida-Naples
- 2005-2008 Senior Associate Consultant, Divisions of General and Colorectal Surgery, Mayo Clinic  
Arizona, Phoenix, AZ.
- 2008-present Consultant, Divisions of General and Colorectal Surgery, Mayo Clinic Arizona, Phoenix, AZ.

**Research Activities**

**Publications**

**Peer-reviewed original Science Publications**

1. Barbul A, Shawe T, Frankel HL, **Efron JE**, Wasserkrug HL. Inhibition of wound repair by thymic hormones. *Surgery* 1989; 106:373-7. PMID:2763035.
2. Barbul A, Shawe T, Rotter SM, **Efron JE**, Wasserkrug HL. Wound healing in nude mice: a study of the regulatory role of lymphocytes in fibroplasia. *Surgery* 1989; 40:627-9.
3. Lazarou SA, **Efron JE**, Shawe T, Wasserkrug HL, Barbul A. Fibroblast growth factor inhibits wound collagen synthesis. *Surgical Forum* 1989; 40:627-9.
4. **Efron JE**, Frankel HL, Lazarou SA, Wasserkrug HL, Barbul A. Wound healing and T-lymphocytes. *Journal of Surgical Research* 1990; 48:460-463. PMID:2352421.
5. Marini CP, Nathan IM, **Efron JE**, Cohen JR. Effect of nitroglycerin and cerebrospinal fluid drainage on spinal cord perfusion pressure and paraplegia during aortic cross-clamping. *Journal of Surgical Research* 1997; 69:001-005.
6. Pikarsky A, Wexner S, Lebensart P, **Efron J**, Weiss E, Noguerras J, Reissman P. The use of rectal ultrasound for the correct diagnosis and treatment of rectal villous tumors. *Am J Surg* 2000; 179(4):261-5.
7. Pikarsky AJ, Belin B, **Efron J**, Weiss EG, Noguerras JJ, Wexner SD. Complications following formalin installation in the treatment of radiation-induced proctitis. *Int J Colorectal Dis* 2000; 15:96-9. PMID:10855551.
8. Pikarsky AJ, **Efron JE**, Weiss EG, Eisenberg P, Noguerras JJ, Wexner SD. Overcoming wall-stent malposition in the treatment of rectosigmoid obstruction: a case report. *Surg Endosc* 2000; 14:372-4. PMID:10854522.

9. Colquhoun P, **Efron J**, Eze G, Weiss EG, Vernava AM III, Nogueras J, Wexner SD. The incidence of subclinical anal intraepithelial neoplasia (AIN) in patients with condylomata. (Abstract). *Colorectal Dis* 2001; 3:77.
10. **Efron J**, Pikarsky AJ, Weiss EG, Wexner SD, Nogueras JJ. The efficacy of chemoradiation therapy in HIV seropositive patients with squamous cell carcinoma of the anus. *Colorectal Dis* 2001; 3:402-5. PMID:12790938.
11. **Efron JE**, Patron-Uriburu JC, Nogueras JJ, Weiss EG, Singh J, Wexner SD. Restorative proctocolectomy with ileal pouch anal anastomosis in obese patients. *Obesity Surgery* 2001; 11:246-51. PMID:11433894.
12. Gervaz P, **Efron J**, Poza A, Chun SW, Pham TT, Woodhouse S, Wexner SD, Carethers J. Loss of heterozygosity in anal squamous cell carcinoma. *Dis Colon Rectum* 2001; 44(10):1503-8. PMID:11598481.
13. Gervaz P, Pikarsky AJ, Utech M, Secic MS, **Efron J**, Belin B, Jain A, Wexner SD. Converted laparoscopic colorectal surgery: a meta-analysis. *Surg Endosc* 2001; 15:827-32. PMID:11443444.
14. Gervaz P, Rotholtz M, Pisano M, Kaplan E, Secic MS, Coucke P, Pikarsky AJ, **Efron J**, Nogueras JJ, Wexner SD. Quantitative short-term study of anal sphincter function after chemoradiation for rectal cancer. *Arch Surg* 2001; 136:192-6. PMID:11177140.
15. Hamel T, Pikarsky AJ, **Efron J**, Wexner SD. Laparoscopic assisted hemicolectomy for Crohn's disease: are we still getting better? *Am Surg* 2001; 68(1):83-6.
16. Zmora O, **Efron J**, Nogueras JJ, Weiss EG, Wexner SD. Reoperative abdominal and perineal surgery in ileoanal pouch patients. *Dis Colon Rectum* 2001; 44(9):1310-4. PMID:11584205.
17. Pikarsky AJ, **Efron J**, Hamel CT, Weiss EG, Nogueras JJ, Wexner SD. Effect of age on the functional outcome of total abdominal colectomy for colonic inertia. *Colorectal Dis* 2001 Sep; 3(5):318-22. PMID:12790953.
18. Giordano P, Renzi A, **Efron J**, Gervaz P, Weiss G, Nogueras JJ, Wexner SD. Previous sphincter repair does not effect the outcome of repeat repair. *Dis Colon Rectum* 2002; 45(5):635-40. PMID:12004213.
19. Mizrahi N, Wexner SD, Zmora O, DaSilva G, **Efron JE**, Weiss EG, Vernava AM, Nogueras JJ. Endorectal advancement flap: are there predictors of failure? *Dis Colon Rectum* 2002; 45(12):1616-21. PMID:12473884.
20. Pikarsky J, **Efron J**, Weiss EG, Nogueras JJ, Wexner SD. Perianal Crohn's disease: a scoring system to evaluate and predict outcome of surgical intervention. *Arch Surg* 2002; 137:774-7. PMID:12093328.
21. Rotholtz NA, **Efron JE**, Weiss EG, Nogueras JJ, Wexner SD. Anal manometric predictors of significant rectocele in constipated patients. *Tech Coloproct* 2002; 6:73-7.
22. Zbar P, Fenger C, **Efron J**, Beer-Gabel M, Wexner SD. The pathology and molecular biology of anal intraepithelial neoplasia: comparisons with cervical and vulvar intraepithelial carcinoma. *Int J Colorectal Dis* 2002; 17(203-15). PMID:12073068.
23. Zmora O, Dinnewitzer J, Pikarsky AJ, **Efron JE**, Weiss EG, Nogueras JJ, Wexner SD. Intraoperative endoscopy in laparoscopic colectomy. *Surg Endosc* 2002; 16(5):808-11. PMID:11997827.
24. Zmora O, Wexner SD, Hajjar L, Park TS, **Efron J**, Nogueras JJ, Weiss E. Trends in preparation for colorectal surgery: survey of the members of the American Society of Colon and Rectal Surgeons. *Am Surg* 2003; 69(2):150-4. PMID:12641357.
25. Colquhoun P, **Efron J**, Eze G, Weiss EG, Vernava AMI, Nogueras JJ, Wexner SD. The incidence of subclinical anal intraepithelial neoplasia (AIN) in patients with anal condylomata. *Colorectal Dis* 2003.
26. Colquhoun P, Newstead G, Weiss EG, **Efron JE**, Nogueras JJ, Vernava AM III, Wexner SD. Colorectal cancer screening: do they practice what they preach? *ANZ J Surg* 2003; 73:1028-31. PMID:14632898.
27. DeSilva G, Berho M, Wexner SD, **Efron J**, Weiss EG, Nogueras JJ, Vernava AM III, Connor JT, Gervaz P. Histological analysis of the irradiated anal sphincter. *Dis Colon Rectum* 2003; 46(11):1492-7. PMID:14605568.
28. **Efron JE**, Corman ML, Fleshman J, Barnett J, Nagel D, Birbaum E, Weiss EG, Nogueras JJ, Sligh S, Rabine J, Wexner SD. Multi-center open label prospective trial evaluating the safety and effectiveness of temperature controlled radio frequency energy delivery to the anal canal (secca procedure) for the treatment of fecal incontinence. *Dis Colon Rectum* 2003; 46(12):1606-18. PMID:14668584.

29. Saigusa N, Belin B, Choi HJ, Gervaz P, **Efron J**, Weiss EG, Nogueras JJ, Wexner SD. Recovery of the rectoanal inhibitory reflex after restorative proctocolectomy: does it correlate with nocturnal continence? *Dis Colon Rectum* 2003; 46(2):168-72. PMID:12576889.
30. Zmora O, Potenti FM, Wexner SD, Pikarsky AJ, **Efron JE**, Nogueras JJ, Pricolo VE, Weiss EG. Gracilis muscle transposition for iatrogenic rectourethral fistula. *Annals of Surg* 2003; 237(4):483-7.
31. Chun SW, Pikarsky AJ, You SY, Gervaz P, **Efron J**, Weiss EG, Nogueras JJ, Wexner SD. Perineal rectosigmoidectomy for rectal prolapse: role of levatorplasty. *Techniques Coloproctol* 2004; 8(1):3-9.
32. Colquhoun P, Chen HC, Kim JI, **Efron J**, Weiss E, Nogueras JJ, Vernava AM III, Wexner SD. High compliance rates observed for follow up colonoscopy post polypectomy are achievable outside of clinical trials (efficacy of polypectomy is not reduced by low compliance for follow up). *Colorectal Dis* 2004; 6:158-61. PMID:15109378.
33. Colquhoun P, **Efron J**, Wexner SD. Attainment of continence using an ileal J pouch with an artificial bowel sphincter in a patient with imperforate anus and familial adenomatous polyposis. *Dis Colon Rectum* 2004; 47(4):538-41. PMID:14978620.
34. DaSilva GM, Kaiser R, Borjesson L, Colquhoun P, Lobo C, Khandwala F, Thornton J, **Efron J**, Vernava AM III, Weiss EG, Wexner SD, Gervaz P, Nogueras JJ. The effect of diverticular disease on the colonic j pouch. *Colorectal Dis* 2004; 6:171-5. PMID:15109381.
35. DaSilva GM, Wexner SD, Gurland B, Gervaz P, Moon SD, **Efron J**, Nogueras JJ, Weiss EG, Vernava AM, Zmora O. Is routine pouchogram prior to ileostomy closure in colonic j pouch really necessary? *Colorectal Dis* 2004; 6:117-20. PMID:15008910.
36. Jaffe MP, **Efron J**, Vernava AM III, Liberman MA. Screening colonoscopy in the asymptomatic 50 to 59 year old population. *Surg Endosc* 2004; 18(2):353.
37. Jaffe MP, **Efron J**, Vernava AM III, Liberman MA. Colonoscopy: why are general surgeons being excluded? *Surg Endosc* 2004; 18(2):352.
38. Oberwalder M, Dinnewitzer A, Baig MK, Thaler K, Cotman K, Nogueras JJ, Weiss EG, **Efron J**, Vernava AM III, Wexner SD. The association between late onset fecal incontinence and obstetric anal sphincter defects (vaginal delivery with occult sphincter damage - a risk factor for fecal incontinence with aging). *Arch Surg* 2004; 139:429-32. PMID:15078712.
39. Oberwalder M, Thaler K, Baig MK, Dinnewitzer A, **Efron JE**, Weiss EG, Vernava AM, Nogueras JJ, Wexner SD. Anal ultrasound and endosonographic measurement of perineal body thickness: a new evaluation for fecal incontinence in females. *Surg Endosc* 2004; 18:650-4. PMID:15026922.
40. Pishori T, Dinnewitzer A, Zmora O, Oberwalder M, Hajjar L, **Efron J**, Weiss EG, Vernava AM III, Nogueras JJ, Wexner SD. Outcome of patients with indeterminate colitis (IC) undergoing double stapled ileal pouch anal anastomosis (DSIPAA). *Dis Colon Rectum* 2004 May; 8(1):3-8.
41. Zmora O, Colquhoun P, Abramson S, Weiss EG, **Efron JE**, Vernava AM III, Nogueras JJ, Wexner SD. Can the procedure for prolapsing hemorrhoids (PPH) be done twice? Results of a porcine model. *Surg Endosc* 2004 May; 18(5):757-61. PMID:14735346.
42. Rosen SA, Wexner SD, Woodhouse S, Colquhoun P, Weiss EG, Nogueras JJ, **Efron J**, Vernava A 3rd. Not all inflammation in the right lower quadrant is appendicitis: a case report of *Escherichia coli* O157:H7 with a review of the literature. *Am Surg* 2005 Jun; 71(6):532-6. PMID:16044939.
43. Tsujinaka S, Baig MK, Gornev R, de la Garza C, Hwang JK, Sands D, Weiss EG, Nogueras JJ, **Efron J**, Vernava AM 3rd, Wexner SD. Formalin instillation for hemorrhagic radiation proctitis. *Surg Innovation* 2005 Jun; 12(2):123-8.
44. Thaler K, Dinnewitzer A, Oberwalder M, Weiss EG, Nogueras JJ, **Efron J**, Vernava AM 3rd, Wexner SD. Quality of life after colectomy for colonic inertia. *Tech Coloproct* 2005 Jul; 9(2):133-7.
45. Zmora O, Colquhoun P, Katz J, **Efron J**, Weiss EG, Nogueras JJ, Vernava AM 3rd, Wexner SD. Small bowel transit does not correlate with outcome of surgery in patients with colonic inertia. *Surg Innov* 2005 Sep; 12(3):215-8. PMID:16224641.

46. da Silva GM, Zmora O, Borjesson L, Mizhari N, Daniel N, Khandwala F, **Efron J**, Weiss EG, Nogueras JJ, Vernava AM, Wexner SD. The efficacy of a nerve stimulator (Cavermap) to enhance autonomic nerve identification and confirm nerve preservation during total mesorectal excision. *Dis Colon Rectum* 2005 Dec; 48(12):2354-61. PMID:16408331.
47. Baig MK, Woodhouse S, Dipasquale B, Vernava AM, **Efron J**. Rectal prolapse associated with schistosomiasis. *Surgical Rounds* 2006; 29(4):181-4.
48. Ho KS, Chang CC, Baig MK, Borjesson L, Nogueras JJ, **Efron J**, Weiss EG, Sands D, Vernava AM 3rd, Wexner SD. Ileal pouch anal anastomosis for ulcerative colitis is feasible for septuagenarians. *Colorectal Dis* 2006 Mar; 8(3):235-8. PMID:16466566. DOI:10.1111/j.1463-1318.2005.00885.x.
49. Rosen SA, Colquhoun P, **Efron J**, Vernava AM 3<sup>rd</sup>, Nogueras JJ, Wexner SD, Weiss EG. Horseshoe abscesses and fistulas: How are we doing? *Surg Innov* 2006 Mar; 13(1):17-21. PMID 16708151
50. Dinnewitzer AJ, Wexner SD, Baig MK, Oberwalder M, Pishori T, Weiss EG, **Efron J**, Nogueras JJ, Vernava AM 3rd. Timing of restorative proctectomy following subtotal colectomy in patients with inflammatory bowel disease. *Colorectal Dis* 2006 May; 8(4):278-82. PMID:16630230. DOI:10.1111/j.1463-1318.2005.00933.x.
51. Colquhoun P, Weiss EG, **Efron J**, Nogueras JJ, Vernava AM 3rd, Wexner SD. Colorectal cancer screening: do we practice what we preach? *Surg Innov* 2006 Jun; 13(2):81-5. PMID:17012147. DOI:10.1177/1553350606290163.
52. Tsujinaka S, Ruiz D, Wexner SD, Baig MK, Sands DR, Weiss EG, Nogueras JJ, **Efron JE**, Vernava AM 3rd. Surgical management of pouch-vaginal fistula after restorative proctocolectomy. *J Am Coll Surg* 2006 Jun; 202(6):912-8. Epub 2006 Apr 21. PMID:16735205. DOI:10.1016/j.jamcollsurg.2006.02.014.
53. Oberwalder M, Dinnewitzer A, Baig MK, Nogueras JJ, Weiss EG, **Efron J**, Vernava AM 3rd, Wexner SD. Do internal anal sphincter defects decrease the success rate of anal sphincter repair? *Tech Coloproctol* 2006 Jul; 10(2):94-7; discussion 97. Epub 2006 Jun 19. PMID:16773293. DOI:10.1007/s10151-006-0259-0.
54. \*Colquhoun P, Kaiser R Jr, **Efron J**, Weiss EG, Nogueras JJ, Vernava AM 3rd, Wexner SD. Is the quality of life better in patients with colostomy than patients with fecal incontinence? *World J Surg* 2006 Oct; 30(10):1925-8. PMID:16957817. DOI:10.1007/s00268-006-0531-5.
55. Giordano P, **Efron J**, Vernava AM 3<sup>rd</sup>, Weiss EG, Nogueras JJ, Wexner SD. Strategies of follow-up for colorectal cancer: A survey of the American Society of Colon and Rectal Surgeons. *Tech Coloproctol*. 2006 Oct; 10(3):199-207. Epub 2006 Sep 20. PMID 16969616.
56. Colquhoun P, Kaiser R, Weiss EG, **Efron J**, Vernava AM 3rd, Nogueras JJ, Wexner SD. Correlating the Fecal Incontinence Quality-of-Life Score and the SF-36 to a proposed Ostomy Function Index in patients with a stoma. *Ostomy Wound Manage* 2006 Dec; 52(12):68-74. PMID:17204828.
57. Nunoo-Mensah JW, **Efron JE**, Young-Fadok TM. Laparoscopic rectopexy. *Surg Endosc* 2007 Feb; 21(2):325-6. Epub 2006 Dec 27. PMID:17192813. DOI:10.1007/s00464-006-0136-y.
58. Pikarsky AJ, Belin B, **Efron J**, Woodhouse S, Weiss EG, Wexner SD, Nogueras JJ. Squamous cell carcinoma of the rectum in ulcerative colitis: case report and review of the literature. *Int J Colorectal Dis* 2007 Apr; 22(4):445-7. Epub 2006 Aug 24. PMID:16932927. DOI:10.1007/s00384-006-0110-0.
59. Khaikin M, Schneiderei N, Cera S, Sands D, **Efron J**, Weiss EG, Nogueras JJ, Vernava AM 3rd, Wexner SD. Laparoscopic vs. open surgery for acute adhesive small-bowel obstruction: patients' outcome and cost-effectiveness. *Surg Endosc* 2007 May; 21(5):742-6. Epub 2007 Mar 01. PMID:17332956. DOI:10.1007/s00464-007-9212-1.
60. McLemore EC, Harold KL, **Efron JE**, Laxa BU, Young-Fadok TM, Heppell JP. Parastomal hernia: short-term outcome after laparoscopic and conventional repairs. *Surg Innov* 2007 Sep; 14(3):199-204. PMID:17928619. DOI:10.1177/1553350607307275.
61. Gunderson LL, Callister M, Marschke R, Young-Fadok T, Heppell J, **Efron J**. Stratification of rectal cancer stage for selection of postoperative chemoradiotherapy: current status. *Gastrointest Cancer Res* 2008 Jan; 2(1):25-33. PMID:19259319. PMCID:2630810.
62. Tsujinaka S, Wexner SD, DaSilva G, Sands DR, Weiss EG, Nogueras JJ, **Efron J**, Vernava AM 3rd. Prophylactic ureteric catheters in laparoscopic colorectal surgery. *Tech Coloproctology* 2008 Mar; 12(1):45-50.

63. Lawes DA, **Efron JE**, Abbas M, Heppell J, Young-Fadok TM. Early experience with the bioabsorbable anal fistula plug. *World J Surg* 2008 Jun; 32(6):1157-9.
64. Umar SB, **Efron JE**, Heigh RI. An interesting case of mistaken identity. *Case Rep Gastroenterol* 2008 Sep 30;2(3):308-13.
65. Indar AA, **Efron JE**, Young-Fadok TM. Laparoscopic ileal pouch-anal anastomosis reduces abdominal and pelvic adhesions. *Surg Endosc* 2009 Jan; 23(1):174-7. Epub 2008 Oct 15.
66. Indar AA, Young-Fadok TM, Heppell J, **Efron JE**. Effect of perioperative immunosuppressive medication on early outcome in Crohn's disease patients. *World J Surg* 2009 May; 33(5):1049-52.
67. Indar A, **Efron J**. Laparoscopic surgery for rectal cancer. *Perm J*. 2009 Winter;13(1):47-52.
68. Ruiz D, Pinto Ra, Hull TL, **Efron JE**, Wexner SD. Does the radiofrequency procedure for fecal incontinence improve quality of life and incontinence at 1-year follow up? *Dis Colon Rectum* 2010 Jul;53(7):1041-6.
69. Wick EC, Hirose K, Shore AD, Clark JM, Gearhart SL, **Efron J**, Makary MA. Surgical site infections and cost in obese patients undergoing colorectal surgery. *Arch Surg* 2011 Sep;146(9):1068-72. Epub 2011 May 16.
70. Schneider EB, Haider AH, Lidor AO, **Efron JE**, Villegas CV, Stevens KA, Hirani SA, Haut ER, Efron DT. Global surgical package reimbursement and the acute care surgeon: a threat to optimal care. *J Trauma*. 2011 Mar; 70(3):583-9.
71. Wick EC, Shore AD, Hirose K, Ibrahim AM, Gearhart SL, **Efron J**, Weiner JP, Makary MA. Readmission rates and cost following colorectal surgery. *Dis Colon Rectum* 2011 Dec;54(12):1475-9.
72. Gearhart SL, Nathan H, Pawlik TM, Wick E, **Efron J**, Shore AD. Outcomes from IBD-associated and non-IBD-associated colorectal cancer: a Surveillance Epidemiology and End Results Medicare Study. *Dis Colon Rectum* 2012 Mar;55(3):270-7.
73. Schneider EB, Hyder O, Brooke BS, **Efron J**, Cameron JL, Edil BH, Schulick RD, Choti MA, Wolfgang CL, Pawlik TM. Patient readmission and mortality after colorectal surgery for colon cancer: impact of length of stay relative to other clinical factors. *J Am Coll Surg* 2012 Apr;214(4):390-8; discussion 398-9. Epub 2012 Jan 29.
74. Wick EC, Hobson DB, Bennett JL, Demski R, Maragakis L, Gearhart SL, **Efron J**, Berenholtz SM, Makary MA. Implementation of a Surgical Comprehensive Unit-Based Safety Program to Reduce Surgical Site Infections. *J Am Coll Surg* 2012 May 23. [Epub ahead of print]
75. Halappa, VG, Villalobos CP, Bonekamp S, Gearhart SL, **Efron J**, Herman J, Kamel IR. Rectal imaging: part 1, high resolution MRI of carcinoma of the rectum at 3 T. *Am J Roentgenol* 2012 Jul;199(1):W35-42.
76. JA, Wild AT, Singhi A, Raman SP, Qiu H, Kumar R, Hacker-Prietz A, Hruban RH, Kamel IR, **Efron J**, Wick EC, Azad NS, Diaz LA Jr, Le Y, Armour EP, Gearhart SL, Herman JM. Clinicopathologic Comparison of High-Dose-Rate Endorectal Brachytherapy versus Conventional Chemoradiotherapy in the Neoadjuvant Setting for Resectable Stages II and III Low Rectal Cancer. *Smith Int J Surg Oncol*. 2012;2012:406568. doi: 10.1155/2012/406568. Epub 2012 Jul 8.
77. Reese AC, Ball MW, **Efron JE**, Chang A, Meyer C, Bivalacqua TJ. Favorable response to neoadjuvant chemotherapy and radiation in a patient with prostatic stromal sarcoma. *J Clin Oncol*. 2012 Nov 20;30(33):e353-5. doi: 10.1200/JCO.2012.41.7758. Epub 2012 Oct 8.
78. Herman JM, Narang AK, Griffith KA, Zalupski MM, Reese JB, Gearhart SL, Azad NS, Chan J, Olsen L, **Efron JE**, Lawrence TS, Ben-Josef E. The Quality-of-Life Effects of Neoadjuvant Chemoradiation in Locally Advanced Rectal Cancer. *Int J Radiat Oncol Biol Phys*. 2013 Jan 1;85(1):e15-9. doi: 10.1016/j.ijrobp.2012.09.006. Epub 2012 Oct 9.
79. Schneider EB, Haider AH, Hyder O, **Efron JE**, Lidor AO, Pawlik TM. Assessing short-and long term outcomes among black vs. white medicare patients undergoing resection of colorectal cancer. *Am J Surg*. 2013 Apr;205(4):402-8. doi: 10.1016/j.amjsurg.2012.08.005. Epub 2013 Jan 31.

80. Monn MF, Haut ER, Lau BD, Streiff M, Wick EC, **Efron JE**, Gearhart SL. Is venous thromboembolism in colorectal surgery patients preventable or inevitable? One institutions experience. *J Am Coll Surg*. 2013 Mar;216(3):395-401.e1. doi: 10.1016/j.jamcollsurg.2012.12.004. Epub 2013 Jan 9.
81. Magruder JT, **Efron JE**, Wick EC, Gearhart SL. Laparoscopic Rectopexy for Rectal Prolapse to Reduce Surgical-Site Infections and Length of Stay. *World J Surg* 2013 Feb 20 (Epub ahead of print). <http://www.ncbi.nlm.nih.gov/pubmed/23423448>
82. Hechenbleikner EM, Makary MA, Samarov DV, Bennett JL, Gearhart SL, **Efron JE**, Wick EC. Hospital Readmission by method of data collection. *J Am Coll Surg*. 2013 Jun;216(6):1150-8. doi: 10.1016/j.jamcollsurg.2013.01.057. Epub 2013 Apr 11. PMID: 23583617.

### Invited Reviews

1. Pishori T, **Efron J**. Scope cleaning and disinfection. *Clinics in Colon and Rectal Surgery* 2001; 14(4):317-23.
2. **Efron J**. The Secca procedure: a new therapy for the treatment of fecal incontinence. *Sur Technol Int* 2004; 13:107-10.
3. **Efron J**, Young-Fadok T. Preoperative optimization of Crohn's disease. *Clinics in Colon and Rectal Surgery* 2007; 20(4):303-8.
4. Bouchard P, **Efron J**. Management of Recurrent Rectal Cancer. *Ann Surg Oncol*. 2010 May;17(5):1343-56.
5. Wick EC and **Efron J**. Minimally Invasive Rectal Procedures for Ulcerative Colitis, Rectal Prolapse, and Rectal Cancer. *US Gastroenterology and Hepatology Review* 2010;6:85-89.
6. He J, **Efron J**. Screening for Colorectal Cancer. *Advances in Surg*; 2011; in press.
7. Demirjan AN and **Efron JE**. Multimodality Treatment and Timing for Rectal Cancer in Hereditary Colorectal Cancer Patients. *Seminars in Colon and Rectal Surgery*, June 2011. In press.

### Invited Critiques & Editorials

1. **Efron JE**. Efficacy and safety of seprafilm for preventing postoperative abdominal adhesion. *World J Surg* 2007 Nov; 31(11):2132. PMID:17902017. DOI:10.1007/s00268-007-9231-z.
2. **Efron J**. Role of Platelet-Rich Plasma in Accelerating the Wound-Healing Process and Recovery in Patients Undergoing Operation for Pilonidal Sinus Disease: Preliminary Results. *World J Surg* 2009 Aug;33(8):1770-1.
3. **Efron JE**. Surgical outcomes of abdominoperineal resection for low rectal cancer in a nigerian tertiary institution. *World J Surg* 2009 Feb; 33(2):240-1. PMID:19034571. DOI:10.1007/s00268-008-9769-4.
4. **Efron J**. Book Review: Handbook of Clinical Surgery and Emergencies in Clinical Surg. Oxford University Press. *World J Surg* 2009 33:2497-2498.
5. **Efron J**. Post-Surgical Recurrence of Ileal Crohn's Disease. *World J Surg* 2010, Jul; 34(7):1627-8.
6. **Efron J**. To Stent or not to Stent: That is the question. *Arch Surg*. 2011 Oct;146(10):1163. PMID: 22121533.
7. He J, **Efron JE**. Screening for Colorectal Cancer. *Adv Surg*. 2011;45:31-44. Review. PMID: 21954677.
8. **Efron JE**. Prospective evaluation of a single-sided innervated gluteal artery perforator flap for reconstruction of extensive and recurrent pilonidal sinus disease: functional, aesthetic, and patient-reported long-term outcomes. *World J Surg*. 2012 Sep; 36(9):2237-8. doi: 10.1007/s00268-012-1654-5.

## Book Chapters

1. **Efron JE**. Infliximab (Remicade™). In: Selected topics in colon and rectal surgery. Vol. XII. 1999.
2. **Efron J**, Nogueras JJ. Controversies in diverticular disease: indications for surgery and surgical options. In: Cohen JL. Seminars in Colon and Rectal Surgery. Selected Readings in General Surgery. Vol. 30 # 2. Philadelphia: W.B. Saunders; 2000. p. 206-13.
3. **Efron J**, Wexner SD. Rectal cancer. In: Cameron JL. Current Surgical Therapy 7th ed. Philadelphia: Mosby; 2001. p. 235-45.
4. **Efron J**, Wexner SD. Lower gastrointestinal bleeding-operative treatment. In: Wise L, Schein M. Controversies in surgery. Vol. 4. New York, NY: Lippincott, Williams and Wilkins; 2001. p. 330-8.
5. **Efron J**, Vernava AMI. Reoperative surgery for acute colorectal anastomotic dehiscence. In: Longo W, Northover J. Reoperative surgery of the colon and rectum UK: Martin and Dunitz; 2003. p. 1-26.
6. **Efron J**, Nogueras JJ. Restorative proctocolectomy. In: Wexner SD. Laparoscopic surgery of the abdomen. New York, NY: Springer-Verlag; 2004. p. 420-4.
7. Cera SM and **Efron JE**. Bowel Retraining for Functional Disorders of the Colon, Rectum, and Anus. In: G. Willy Davila, Gamal M. Ghoniem and Steven D. Wexner. Pelvic Floor Dysfunction A Multidisciplinary Approach. New York: Springer; 2006. p. 315-318.
8. Doty J and **Efron JE**. Bowel Dysfunction. In: G. Willy Davila, Gamal M. Ghoniem and Steven D. Wexner. Pelvic Floor Dysfunction: A Multidisciplinary Approach. New York: Springer; 2006. p. 15-18.
9. **Efron J**, Nogueras JJ. Staging of Rectal Cancer. In: Wolff BG, Fleshman JW, Beck D, Pemberton JH, Wexner SD. The ASCRS Textbook on Colon and Rectal Surgery. Springer; 2007. p. 405-412.
10. **Efron JE**, Young-Fadok TM. Neoplasms of the anus. In: Yeo CJ, editor. Shackelford's Surgery of the Alimentary Tract. 6th ed. Vol. 2. Philadelphia: Saunders; 2007. p. 2288-98.
11. Lunsford T, **Efron JE**. Fecal Incontinence: Office Based Management. In: Sands L and Sands D., ed. Ambulatory Colorectal Surgery; Taylor and Francis; 2008.
12. **Efron JE**. Anastomotic leaks following colonic surgery. In: Schein M. Common Sense Emergency Abdominal Surgery Vol. 3. Springer; 2008.
13. Lawes D, **Efron JE**. Anorectal physiology. In: Wexner S, Beck D. Fundamentals of Anorectal Surgery 2<sup>nd</sup> Ed. Saunders; 2008.
14. Lawes D, **Efron JE**. Recto-vaginal and Recto-urethral Fistulas. In: Zbar AP, Wexner SD. Coloproctology. Springer; 2010. P. 169-184.
15. Bouchard P, **Efron J**. Pilonidal Disease. In: Cameron JL, Cameron AM. Current Surgical Therapy 10<sup>th</sup> Edition. Elsevier; 2011.
16. Gearhart S, **Efron JE**. Preoperative Staging of Rectal Cancer. In: Beck D, Roberts P, Saclarides T, Senagore A, Stamos M, Wexner S. ASCRS Textbook of Colon and Rectal Surgery, Second Edition. Springer; 2011. p.721-730.
17. **Efron J** and Stamos MJ. Laparoscopic Medial to Lateral Dissection for Left Colectomy. Master techniques in General Surgery: Colon and Rectal Surgery Abdominal Operations. Lippincott Williams and Wilkins. 2012. p 75-82
18. **Efron J**. Vascular Diseases: Hemorrhage, Mesenteric Occlusive and Nonocclusive Disease, Ischemia, Radiation Enteritis, and Volvulus. In: Corman ML. Surgery of the Anus Rectum and Colon. Lippincott Williams and Wilkins. 2013. p. 1125-1176.
19. **Efron JE**. And Vargas HD. The Morbidly Obese Patient. In: Complexities in Colorectal Surgery: Decisions Making and Management. Editors Scott R Steele, Justin A Maykel, Bradley J Champagne, and Guy R Orangio. Springer Business Media. In print 2013.



20. Hicks C and **Efron J.** Rectovaginal Fistulas. IN Pelvic Floor Dysfunction and Pelvic Surgery in the Elderly: An Integrated Approach. Ed. Katlic M and Gordon D. Springer Publicaitons. In print 2013.

**Other media:**

1. **Efron J.** Laparoscopic right hemi colectomy port placement and lateral to medial approaches. In: Young Fadok T. SAGES Pearls: Laparoscopic Right Hemi Colectomy Cine-Med, Inc; 2007. (Video Chapter)
2. **Efron JE** and Laparoscopic Right Colectomy: Lateral-to-Medial. In: Asbun H, ed and Young-Fadok T. ed. ACS Multimedia Atlas of Surgery Volume I: Colorectal Surgery, Cine-Med, Inc; 2008. (Video chapter)

**EDUCATIONAL ACTIVITES**

**Teaching**

**Classroom instruction:**

- |           |  |
|-----------|--|
| 2000-2005 | Gave 5 Lectures a year as part of the Core curriculum lecture series at Cleveland Clinic Florida on a variety of colorectal Surgery topics, Cleveland Clinic Florida, Ft. Lauderdale and Naples, FL.   |
| 2000-2001 | I ran and monitored the weekly Anorectal physiology conference at Cleveland Clinic Florida. Anorectal physiology studies were reviewed and interpreted with teaching a group of 12 colorectal surgery residents, Cleveland Clinic Florida, Ft. Lauderdale, FL. |
| 2005-2009 | Lecture series for General Surgery residents, 4 lectures give a year. "Anorectal Physiology and Pathology", "Anatomy of the Rectum", "Laparoscopic Colectomy", "Small Intestine and Colon Senior resident conference". Mayo Clinic Arizona, Phoenix, AZ.       |
| 2005-2009 | Organized and ran Colorectal Surgery Journal Club, monthly meeting of division of colorectal surgery where 2 current articles were discussed.  |
| 2009-     | Give 2 lectures a year to the General Surgery Residents as part of the Core lecture Series   |
| 2010-     | Participate in 4 lectures a year with the Surgical Oncology Core lecture series.   |

**Clinical Instruction:**

- |           |   |
|-----------|---|
| 2000-2001 | Rounded two times a week with colorectal surgery fellows performing teaching rounds, Cleveland Clinic Florida Ft. Lauderdale, FL.   |
| 2001-2005 | Daily teaching rounds with colorectal surgery fellows, Cleveland Clinic Florida, Naples, FL.  |
| 2005-2009 | Daily teaching rounds with Colorectal Fellow and General Surgery Resident, Mayo Clinic Arizona, Phoenix, AZ.<br>Ran Weekend teaching rounds on the General Surgery Service every seventh week teaching general surgery residents during rounds. Mayo Clinic Arizona, Phoenix, AZ. |
| 2009-     | 1 hour per week teaching conference with the Ravitch Colorectal Surgery clinical service.   |
| 2009-     | Daily Teaching rounds with the Ravitch Colorectal Surgery service.  |

**CME Instruction:**

**Invited CME Lectures/Presentations:**

1. **Efron J.** Presented: Laparoscopic treatment of rectal cancer: Should it be or is it the standard of care? Innovations in Surgery Video conference, Friday March 1<sup>st</sup>, 2013

2. **Efron J.** Presented: Surgical planning –Options for Technical Approach and Management of Neoadjuvant Complete Responders. Controversies, Problems and Techniques in Surgery, 29<sup>th</sup> Annual meeting Dec 13-15, 2012, NY, NY.
3. **Efron J.** Presented: A Critical New Look at the New Options: SILS, Incisionless, Robotic, TATA, and TEM Surgical Approaches at the Second annual scientific meeting of the Multidisciplinary International Rectal Cancer Society (MIRCS). November 9, 2012, Philadelphia, PA.
4. **Efron J.** Co-Moderated the Rectal Cancer Symposium and presented minimally invasive surgical approach to rectal cancer at the ACS annual meeting October 3<sup>rd</sup> 2012, Chicago Convention Center, Chicago, IL.
5. **Efron J.** Presented: Endorectal brachytherapy for rectal cancer: A new look at an old idea. at the Surgical Biology Club III meeting at the ACS meeting, Hilton Chicago, September 30, 2012.
6. **Efron J.** Presented: The Clinical and Pathological Predictors of Recurrence and Survival in Anal Canal Cancer Patients and a Review of Current Screening and Prevention Techniques at the Halsted Society 86<sup>th</sup> Annual Meeting, September 8<sup>th</sup>, 2012, at the Lodge at Torrey Pines, San Diego CA.
7. **Efron J.** Presented: Preventing and Managing Anal Cancer. 22<sup>nd</sup> Annual Clinical Care of the Patient with HIV Infection, Renaissance Harborplace Hotel, Baltimore MD, May 14<sup>th</sup> 2012.
8. **Efron J.** Moderated Session and Presented: Robotics in General Surgery. Gary P Wratten Surgical Symposium, Uniformed Services University of the Health Sciences, Bethesda MD, May 2<sup>nd</sup>, 2012.
9. **Efron J.** Presented: Laparoscopic Resection for Colorectal Cancer: Is it Really Better? In The 5th Current Concepts in the Multidisciplinary Management of Colorectal Cancer, September 22, 2011.
10. **Efron J.** Presented: Recurrent Rectal Cancer. The 85<sup>th</sup> Annual Halsted Society Meeting, Baltimore MD, 11/08/2011.
11. **Efron J.** Presented: Outcomes in Colorectal Surgery and Moderated: Colorectal Workshop, Advances in Single Port Surgery: New Laparoscopic and Robotic Approaches. Intercontinental Hotel Conference Center, Cleveland Ohio June 3, 2011.
12. **Efron J.** Presented: The New Era: Robotics in Colorectal Cancer; Radical Resection in Colorectal Cancer. Colorectal Cancer In the New Millennium: An Update for the Clinical Practitioner. Charleston SC, March 19, 2011.
13. **Efron J.** Presented: Minimally Invasive Surgery for IBD and Management of Complex Perianal Disease in Crohn's Patients. Johns Hopkins GI Update Course, Vail CO, February 2 and 3, 2011.
14. **Efron J.** Presented: Hemorrhoids and Other Anorectal Diseases. The Lee Memorial Health System's GI Symposium for 2010. Sanibel Harbor Resort, Fort Myers FL, July 17<sup>th</sup> and 18<sup>th</sup>, 2010.
15. **Efron J.** Presented: To Robot or not to Robot – That is the Question for Colectomy. Innovations in Surgery Live Meetings Series. Telecast through the Cleveland Clinic Ohio Media center from Johns Hopkins Hospital to 25 different centers worldwide. May 7, 2010.
16. **Efron J.** Presented: Minimally Invasive Management for Colorectal Cancer. 35<sup>th</sup> Annual Topics in Gastroenterology and Hepato-Biliary Update Conference. The Johns Hopkins University School of Medicine, Thomas B. Turner Building, Baltimore, MD. November 11-15, 2009.
17. **Efron J.** Presented: Cancer Outcomes. SAGES Laparoscopic Review Course, Covidien Corporate Headquarters, Norwalk CT. November 5-6, 2009.
18. **Efron J.** Presented: Anal Incontinence and Overlapping Sphincteroplasty 9/9/09 and Management of Injuries to the GI Tract During Gynecologic Surgery. The 18<sup>th</sup> Annual Mayo Clinic Urogynecology and Disorders of the Female Pelvic Floor. Mayo Clinic Arizona and the Scottsdale Marriott at McDowell Mountain, Scottsdale AZ. September 9-12<sup>th</sup>, 2009.
19. **Efron J.** Invited speaker: The Arizona Chapter of the American College of Surgeons Meeting. The Evolving Multimodal Management Plan for Postoperative Ileus: Improving Time to Bowel Recovery. Arizona Medical Association Building, Phoenix AZ. July 25<sup>th</sup>, 2009.
20. **Efron J.** Assistant Director: Dinner Symposium: Simulation in Colon and Rectal Surgery. Presented: Team Training and Crisis Resource Management. The American Society of Colon and Rectal Surgeons Annual Scientific Meeting; The Westin Diplomat Hotel and Convention Center, Hollywood FL. May 2, 2009.

21. **Efron J.** Professor with Dr. Bruce Orkin at the “Meet the Professor” Breakfast on topic Parastomal Hernia. The American Society of Colon and Rectal Surgeons Annual Scientific Meeting; The Westin Diplomat Hotel and Convention Center, Hollywood FL. May 4, 2009.
22. **Efron J.** Presented: Laparoscopic Para-stomal Hernia Repair. In Laparoscopic Colorectal Surgery: Nuts, Bolts, and New Tools for your Toolbox. The American Society of Colon and Rectal Surgeons Annual Scientific Meeting; The Westin Diplomat Hotel and Convention Center, Hollywood FL. May 3, 2009.
23. **Efron J.** Presented: The SECCA Procedure for Fecal Incontinence. In Technological Advances in the Diagnosis and Treatment of Colorectal Diseases. The American Society of Colon and Rectal Surgeons Annual Scientific Meeting; The Westin Diplomat Hotel and Convention Center, Hollywood FL, May 3, 2009.
24. **Efron J.** Instructor: The SAGES Hands-on Laparoscopic Colectomy Course. SAGES National Meeting, Phoenix Convention Center and Science Care Center, Phoenix AZ, April 22, 2009.
25. **Efron J.** Presented: Conquering Postoperative Ileus. The 20<sup>th</sup> Anniversary of the Cleveland Clinic Florida International Symposium on Colorectal Disease. Ft Lauderdale FL, February 13<sup>th</sup>, 2009.
26. **Efron J.** Presented: Right Colectomy and Laparoscopic Surgery for Rectal Cancer. 4<sup>th</sup> International Congress of Laparoscopic Colorectal Surgery. The Diplomat Golf Resort and Spa, Hallandale Beach FL, Feb 11<sup>th</sup>, 2009.
27. **Efron J.** Presented: Prevention of Para-stomal Hernias. Stoma Construction and Complications at the American College of Surgeons Fall Meeting, San Francisco CA, Thursday, October 16, 2008.
28. **Efron J.** Course Co-Director: Minimally Invasive Surgery 2008: Interactive Laparoscopic Colorectal Surgery. Presenter of Laparoscopic Right Colectomy Lateral to Medial Approach and Instructor. Mayo Clinic Arizona, Scottsdale AZ, September 26, 2008.
29. **Efron J.** Course Co-Director: Minimally Invasive Surgery 2008: Interactive Laparoscopic Colorectal Surgery. Presenter of Laparoscopic Right Colectomy Lateral to Medial Approach and Instructor. Mayo Clinic Arizona, Scottsdale AZ, December 12, 2008.
30. **Efron J.** Video presentation: Laparoscopic Left Colectomy Lateral to Medial Approach. Presented at the Laparoscopic Colectomy: The Basics and Beyond Course at the annual ASCRS meeting, St Louis Convention Center, St Louis MO, June 3, 2007.
31. **Efron J.** Presented: Management of Complex Perianal and Recto-vaginal Fistulas. Annual Meeting of the Northeast Society of Colorectal Surgeons, The Breakers Hotel, Palm Beach FL. November 4-7, 2007.
32. **Efron J.** Presented: Updates on Anal and Rectovaginal Fistulas. In Management of Challenging Fistulas, American College of Surgeons 93<sup>rd</sup> Annual Congress, New Orleans LA, October 8, 2007.
33. **Efron J.** Presented: Management of the Ileocolic and Middle Colic Vessels. Video Presentation at the SAGES Meeting, Paris Hotel, Las Vegas NE, April 19-22, 2007.
34. **Efron J.** Presented: Left Colectomy Lateral to Medial Approach. University of Texas Southwestern Medical Center Laparoscopic Colectomy Course. University of South West Texas, Dallas TX, Friday February 16, 2007.
35. **Efron J.** Presented: Laparoscopic Left Colectomy Lateral to Medial Approach. Minimally Invasive Surgery Series Laparoscopic Colon Surgery. Mayo Clinic, Scottsdale AZ, November 17, 2006.
36. **Efron J.** Presented: What’s New in the Management of Hemorrhoids. The American College of Surgeons 92<sup>nd</sup> Annual Clinical Congress, GI Surgery Post-graduate Course. Chicago Convention Center, Chicago IL, October 11, 2006.
37. **Efron J.** Presented: Laparoscopic Right and Left Colectomy Lateral to Medial Approach. Minimally Invasive Surgery Series Laparoscopic Colon Surgery. Mayo Clinic, Scottsdale AZ, September 26, 2006.
38. **Efron J.** Presented: Lateral to Medial Colonic Mobilization in Right Colectomy. In Laparoscopic Techniques: The Real Nuts and Bolts. Video Presentation at The American Society of Colon and Rectal Surgeons, Washington State Convention and Trade Center. Seattle WA, June 4, 2006.
39. **Efron J.** Instructor: The SAGES Endoscopy Post-graduate Course on Advanced Colonoscopy Skills. Anatole Hilton Hotel, Dallas TX. Thursday April 27, 2006.
40. **Efron J.** Presented: Current Management of Fecal Incontinence. The Annual Urogynecology and Pelvic Floor Conference. Scottsdale Fairmont Princess Hotel, Scottsdale AZ. March 25<sup>th</sup>, 2006.
41. **Efron J.** Presented: Laparoscopic Right Colectomy. The Mayo Clinic Scottsdale Laparoscopic Colectomy Course. Course Organizer and Instructor. Mayo Clinic Arizona, Scottsdale AZ. March 3, 2006.

42. **Efron J.** Presented: Surgical Management of Fecal Incontinence. The Winter GI Symposium, Mayo Clinic Scottsdale and the Marriott at McDowell Mountain Ranch, Scottsdale AZ, March 2, 2006.
43. **Efron J.** Presented: 1. Rectal Prolapse: What is the Best Treatment 2. Fecal incontinence: A Surgeon's Perspective 3. The Secca Procedure: Radiofrequency Energy Delivery to the Anal Canal for Fecal incontinence. Kaiser Permanente National Surgical Symposium. August 31- September 2, 2006.
44. **Efron J.** Presented: 1. Radiofrequency. 2. Bowel Preparation--Is it Necessary and If So, How? The 16<sup>th</sup> Annual International Symposium on Colorectal Disease, Marriott Harbor Beach Hotel, Ft Lauderdale FL. Feb 17-19, 2005.
45. **Efron J.** Presented: 1. Recurrent Rectal Cancer 2. Update on the management of Fecal incontinence. The Northeast Society of Colorectal Surgery Meeting, The Breakers Hotel, Palm Beach, FL, November 7-10, 2004.
46. **Efron J.** Presented: 1. Management of Recurrent Rectal Cancer. 2. Secca and Acyst Procedure for Fecal Incontinence. The 15<sup>th</sup> Annual International Symposium on Colorectal Disease, Marriot Harbor Beach Hotel, Ft. Lauderdale FL, February 12-14, 2004.
47. **Efron J.** Invited Speaker: The Southern Region Meeting for Enterostomal Therapists. Hyatt Regency Hotel, Tampa FL, September 20, 2003.
48. **Efron JE.** Presented: 1. Outcomes of Laparoscopic Surgery for Inflammatory Bowel Disease. 2. Laparoscopic Right Colectomy. SAGES Advanced Laparoscopic colectomy course, US Surgical Corporate Headquarters, Norwalk, CT July 31 – August 1, 2003.
49. **Efron JE.** Presented: Core Curriculum Lectures: Stomas and Stoma Management. The Annual Meeting of the American Society of Colon and Rectal Surgeons, Hilton Hotel and Conference Center, New Orleans LA, June 22, 2003.
50. **Efron J.** Presented: Rectocele Repair. Third Annual Pelvic Floor Disorders Symposium, Sheraton Yankee Trader Hotel, Ft. Lauderdale FL, March 13, 2003.
51. **Efron J.** Presented: Laparoscopic Left Colectomy. Tulane University Laparoscopic Colectomy Course. Tulane University, New Orleans LA, June 11 2005.
52. **Efron J.** Presented: The Secca Procedure. Secca Course, Sheraton Yankee Clipper Hotel, Ft. Lauderdale FL, February 13, 2004.
53. **Efron JE.** Presented: Recurrent Rectal Cancer. University of Western Ontario, University Hospital, London Ontario, August 27, 2003.
54. **Efron J.** Presented: The Secca Procedure. Secca Course, Sheraton Yankee Clipper Hotel, Ft. Lauderdale FL, February 12, 2003.
55. **Efron J.** Instructor: Laparoscopic Colectomy Course sponsored by SAGES at their Annual Meeting. Los Angeles Convention Center, Los Angeles CA, March 12, 2003.
56. **Efron J.** Presented: 1. Radiofrequency 2. New non-operative techniques in the management of constipation. The 14<sup>th</sup> Annual International Symposium on Colorectal Disease, Ft. Lauderdale FL, Friday February 14, 2003.
57. **Efron J.** Presented: Radiofrequency and Other Non-operative Modalities in the Management of Fecal Incontinence. The 13<sup>th</sup> Annual Symposium on Colorectal Disease, Ft. Lauderdale FL. Friday February 15, 2002.
58. **Efron J.** Presented: Rectourethral Fistula. The 13<sup>th</sup> Annual Symposium on Colorectal Disease, Ft. Lauderdale FL, Saturday February 16, 2002.
59. **Efron J.** Presented: Surgical Treatment of Rectal Cancer. Essentials in Colorectal Disease: A Course for the Practicing Physician. Naples FL, November 9, 2001.
60. **Efron J.** Presented: The Colorectal Evaluation. The First Annual Pelvic Floor Disorders Symposium, Sheraton Yankee Trader Hotel, Ft. Lauderdale FL, March 16-18, 2001.
61. **Efron J.** Presented: Constipation and Rectocele Repair. The First Annual Pelvic Floor Disorders Symposium, Sheraton Yankee Trader Hotel, Ft. Lauderdale FL, March 16-18, 2001.
62. **Efron J.** Presented: The Effect of Fibrin Glue on the Results of Endoanal Advancement Flaps for Fistulas. The 12th Annual Colorectal Disease Symposium, Marriott Harbor Beach Hotel, Ft. Lauderdale FL, Feb. 15-17, 2001.
63. **Efron J.** Presented: Perineal Rectosigmoidectomy. Video presentation at The 12th Annual Colorectal Disease Symposium, Marriott Harbor Beach Hotel, Ft. Lauderdale FL, Feb. 15-17, 2001.

64. **Efron J.** Presented: Recent Advances and New Innovations in Colorectal Surgery. The American College of Osteopathic Surgeons In Depth Colorectal Surgery Review, Sanibel Harbour Resort, Sanibel FL, January 26, 2001.
65. **Efron J.** Presented: The Management of Difficult Stomas. The Broward County Ostomy Society. Hollywood Memorial Regional Hospital, Hollywood FL, November 2000.
66. **Efron J.** Organizer and Moderator of the morning session at the Annual Meeting of the Northeast Society of Colorectal Surgeons. The Breakers Hotel, Palm Beach FL, October, 2000.
67. **Efron J.** Presented: The Role of Radiology in Colon and Rectal Surgery. The Florida Association of Radiologic Science Professionals, Ft Lauderdale FL, October 7, 2000.
68. **Efron J.** Presented: Surgical Treatment of Rectal Cancer. Essentials in Colorectal Disease: A Course for the Practicing Physician. Naples FL, November 9, 2001.
69. **Efron J.** Presented: Pruritis Ani. Essentials in Colorectal Disease: A Course for the Practicing Physician. Naples FL, November 9, 2001.
70. **Efron J.** Presented: Anorectal Physiology Lab. Essentials in Colorectal Disease: A Course for the Practicing Physician. Naples FL, November 9, 2001.
71. **Efron J.** Presented: Virtual Colonoscopy. Video Presentation to Hamberg Germany, Cleveland Clinic Florida, Ft Lauderdale FL, 2000.
72. **Efron J.** Presented: Laparoscopic Colectomy for Diverticulitis. Video Presentation to Hamburg Germany, Cleveland Clinic Florida, Ft Lauderdale FL, 2000.

## **Mentoring**

1. Cleveland Clinic Florida Colorectal Surgical Fellowship: Trained fellows, 2000 to 2005.  
Specific fellows mentored
  - a. Brian Valerian: Mentored 7/1/2002-present. Currently Associate Professor of Surgery, Albany Medical College, NY.
  - b. John Megaly: Mentored 7/1/2004-present Assistant Professor of Surgery, Duke University and Medical Center; Program Director, Colorectal Fellowship, Duke University Medical Center.
  - c. David Maron: Mentored 7/1/2004-present Vice Chair of Division of Colorectal Surgery, Cleveland Clinic Florida. Associate program director Cleveland Clinic Florida Colorectal Surgery Residency.
2. Mayo Clinic Arizona General Surgical residency: Taught general surgical residents, 2005 to present.  
Specific Residents Mentored:
  - a. Nagesh Ravipati: Mentored 2005-2008. Helped obtain colorectal fellowship and visa, starting practice in Minneapolis, MN; August, 2009.
  - b. Elizabeth McClemore: Mentored 2005-to present. Assistant Professor of Surgery at the University of California, San Diego.
3. Mayo Clinic Arizona Colorectal Surgical Fellowship: Taught Colorectal Surgical fellows, 2005 to present.  
Specific Fellows Mentored:
  - a. Daniel Lawes: Mentored 2007-2008. Consultant Surgeon, Tumbridge Wells, England; Director of Regional Cancer Center.
  - b. Philippe Bouchard: Mentored 2008-2009. Full Time Staff CHUQ/Hospital St-Francois D'Assise, starting September, 2009.
4. Johns Hopkins University: 2009- present
  - a. Mimi Nasser: Surgeon and Public Health Student. Acted as mentor during Public Health research Project and now during one year research spot in section of colorectal surgery at Johns Hopkins University.
  - b. Jonathan Trent Magruder: Mentored 2009-2011. Mentored as third and fourth year medical student in variety of clinical outcomes research projects and through application process for surgical residency. He is currently a categorical intern in the Johns Hopkins University surgical residency.

- c. Mann Pappou: Resident in Surgery at Johns Hopkins Hospital, mentored numerous clinical outcomes research projects and now through the application process for colorectal surgery fellowship programs
- d. Azah Althumairi: research Fellow at Johns Hopkins Division of Colorectal surgery. Arranged and Mentored during one year research rotation at Johns Hopkins Hospital from the National Gurad Hospital king Abul Aziz Medical City, Reyad, Saudi Arabia.
- e. Caitlin Hicks: 2012 – present. Resident in General Surgery at Johns Hopkins Hospital. Mentoring her in clinical research projects and in career choices.

## **Clinical Activities**

### **Certification**

#### Licensure

1993-1999 New York State # 206392-1

1998-2008 Florida # ME-0076384

2005-2011 Arizona # 33553

2009-2010 Maryland # D0069531

#### Boards

Board Certified General Surgery

December 15, 1999 – July 1, 2010;

Re-certified: December 9, 2008 – July 1, 2020

Board Certified Colon and Rectal Surgery

September 23, 2000 – December 31, 2010.

Re-certified: May 2, 2009 - December 31, 2020.

### **Clinical (Service) Responsibilities**

2000-2005 Staff Surgeon, colorectal surgery; Cleveland Clinic Florida, Ft. Lauderdale and Naples, FL. Instructed Colo-rectal surgery fellows in colorectal surgery. One resident on my service at all times, 5 days a week.

2005-2009 Consultant Colorectal and General Surgery, Mayo Clinic Arizona, Phoenix, AZ. One Colorectal Fellow and between one and 3 general surgery residents on my service throughout the year, 5 days a week.

## **ORGANIZATIONAL ACTIVITIES**

### **Institutional Administrative Appointments**

2013- Member of the Residents Competency Committee.

2012-2013 Member of the Director OB/GYN Search Committee

2011- Member of the Peri-Operative Improvement Committee, Johns Hopkins Hospital.

2010-2012 Member of the Physician Access Committee Johns Hopkins Medicine

2010- Member of the Peri-operative Safety Committee

2010- Member of the Colorectal CUSP Committee, Johns Hopkins Hospital

2009- Member of the Finance Committee, Department of Surgery, Johns Hopkins University

2009- Member of the Resident Promotion Committee, Johns Hopkins University

2008-2009 Member of the General Surgical Education Committee, Mayo Clinic Arizona.

2007-2009 Member of the Finance Committee, Mayo Clinic Arizona.

2008-2009 Member of the Surgical DOG, Mayo Clinic Arizona.

2006-2009 Member of the GI DOG committee, Mayo Clinic Arizona  
2007-2009 Member of the Pain Committee, Mayo Clinic Arizona  
2007-2008 Member of the Surgical Graduate Education Committee, Mayo Clinic Arizona  
2007-2009 Member of the Ostomy and Wound Therapy work group, Mayo Clinic Arizona.  
2001-2003 Group Member of the Mortality and Morbidity committee: Cleveland Clinic Florida, Naples.  
2001-2003 Member of the OR Management committee: Cleveland Clinic Florida, Naples.  
2001-2004 Chairman of the Bylaws committee: Cleveland Clinic Florida, Naples.  
2001-2005 Member of the Utilization Review Committee: Cleveland Clinic Florida Naples.  
2001-2005 Member of the Institutional Review Board: Cleveland Clinic Florida.  
2002-2005 Member of the Physician Satisfaction Committee: Cleveland Clinic Florida.  
2002-2005 Member of the Pharmacy, Nutrition, and Therapeutics Committee: Cleveland Clinic Florida Naples.

### **Editorial Activities:**

#### Editorial Board Appointments

2009-present World Journal of Surgery  
2010-present Gastroenterology Report

#### Ad hoc Journal Reviewer

2000-present Diseases of Colon and Rectum  
2001-present Journal of the American College of Surgeons  
2005-present British Journal of Surgery  
2005-present Annals of Surgery  
2005-present World Journal of Surgery  
2008-present Journal of the Society of Laproendoscopic Surgeons  
2009-present Surgery  
2009-present Annals of Surgical Oncology  
2010-present Archives of Surgery

### **Board Activities**

2009- present: Associate Examiner American Board of Colorectal Surgery  
2011- 2012: Associate Examiner American Board of Surgery

### **Advisory Committees, Review Groups/Study Section**

2008-present Medical Advisory Committee, South West Chapter of the Crohn's and Colitis Foundation of America  
2003-present Member of the CARSEP committee for the ASCRS: Writer of questions for Colon and Rectum Surgery Educational program (CARCEP).  
2003-present Writer of Board questions, American Board of Colon and Rectal Surgery.  
2012 Committee member International Society of University Colon and Rectal Surgeons: Education Committee.  
2012 Committee member and Chair: International Society of University Colon and rectal Surgeons: resident Committee.  
2012 Committee member: Rectal Cancer Coordinating Committee of the ASCRS.

### **Community Activities**

2009- present: Member of the Board of trustees of the Maryland and Southern Delaware Chapter of the Crohn's and Colitis foundation of America.

### **Professional Societies**

2002-present Fellow of the American College of Surgeons  
2002-present Fellow of the American Society of Colon and Rectal Surgeons

2005-present Member of the Self Assessment Committee of the American Society of Colon and Rectal Surgeons  
 2009-present Member of the CME committee of the American Society of Colon and Rectal Surgeons  
 2000-present Member of the Society of American Gastrointestinal Endoscopic Surgeons  
 2002-present Member of the Society of Laproendoscopic Surgeons  
 2003-present Member of the Society of Surgeons of the Alimentary Tract  
 2007-present Member of the Southwest Surgical Society  
 2009-present Member International Society of Surgery  
 2010-present Member of the Baltimore Surgical Accadamy  
 2010-present Member of the Maryland Chapter of the American College of Surgeons  
 2010-present Member of the Chesapeake Colorectal Society: **President 2013-2015.**  
 2011-present Member of the Halsted Society  
 2011-present Founding Member of the Multidisciplinary International Rectal Cancer Society.  
 2011-present Member of the International Society of University Colorectal Surgeons

## RECOGNITION

### Awards/Honors

2003 Cleveland Clinic Florida Physician Recognition Award.  
 2003 Cleveland Clinic Florida Physician Collaboration with Nursing Award  
 2013 The Keith Lillemoe Attending Surgeon Teacher of the Year, presented by the Senior Surgical Residents of Johns Hopkins Hospital.

### Invited Talks, Panels

09/23/2010 **Efron J.** Keynote speaker at the New York Society of Colorectal Surgeons fall meeting. Robotic Proctectomy: The Future of Rectal Surgery? The Cornell Club. NY, NY.

### Invited Grand Rounds

06/11/1998 **Efron J.** Carcinoid Tumors. Grand Rounds presentation at Long Island Jewish Medical Center, New Hyde Park, New York, June, 1998.  
 04/13/2000 **Efron J.** Controversies in Ileal Pouch Surgery. Sinai Hospital of Baltimore Grand Rounds, Baltimore, Maryland.  
 05/15/2002 **Efron J.** Current management of fecal incontinence. Presented at Surgical Grand Rounds, University of Florida, Shands Hospital, Gainesville, FL.  
 08/15/2003 **Efron J.** Grand rounds on The management of local recurrent rectal cancer. University of Western Ontario, London, Ontario: August, 2003.  
 09/11/2003 **Efron J.** The Surgical management of rectourethral other complex perineal fistulas. Grand Rounds for the Department of Surgery, University of Miami, Jackson Memorial Hospital, Miami FL.  
 09/17/2004 **Efron J.** Grand rounds and Instructor Laparoscopic colon surgery: 1. Laparoscopic assisted colectomy for colon cancer, 2. Laparoscopic Assisted Right colectomy. University of Western Ontario, London, Ontario: September 17-18, 2004.  
 04/11/2005 **Efron J.** Grand rounds Mayo Clinic Scottsdale, Management of Rectourethral and other complex perineal fistulas.  
 10/31/2007 **Efron J.** Grand Rounds at Case Western University. The use of Intra-operative radiation therapy for the management locally advanced and recurrent rectal cancer, Cleveland, Ohio. October 31, 2007.  
 08/25/2008 **Efron J.** Visiting Professor at Cleveland Clinic Florida Department of Colon and Rectal Surgery, Weston FL. Management of complex perianal and recto-vaginal fistulas, Update on



- Hemorrhoidectomy, Current management of recurrent and locally advanced rectal cancer with IORT.
- 10/26/2008 **Efron J.** Grand rounds Johns Hopkins University, The Efron Lecture: Management of locally advanced and recurrent rectal cancer with IORT. Baltimore MD.
- 02/02/2010 **Efron J.** Visiting Professor at Methodist Hospital: The Management of Locally recurrent and Locally Advanced Rectal Cancer. Brooklyn, NY.
- 03/03/2010 **Efron J.** Grand Round at George Washington University Hospital: The Management of Locally Recurrent and Locally Advanced Rectal cancer. Washington D.C.
- 10/22/2011 **Efron J.** Visiting Professor and Grand Rounds at York Hospital Center. The Current Management of Rectal Cancer. York PA.
- 03/38/2011 **Efron J.** Grand Rounds at Washington Hospital Center: Current Management of Lower Gastrointestinal Bleeding, Washington D.C.
- 01/24/2012 **Efron J.** Management of Recurrent Rectal Cancer. Hackensack University Medical Center, Hackensack, NJ.
- 03/25/2013 **Efron J.** Grand Rounds at New York University. Rectal Cancer: Examination of the Past, Present, and Future. NY, NY.

### Invited International Presentations

- 7/11/2000 **Efron J.** Bowel Preparation. Invited talk at the Association of Coloproctology of Great Britain and Ireland, Brighton, England, July 10-12, 2000.
- 10/20/2000 **Efron J.** Fecal Incontinence: The Surgical Management and Sphincter preserving surgery for Rectal Cancer. Colon and Rectal Surgery review sponsored by the University of Istanbul, Istanbul, Turkey, October 20-21, 2000.
- 4/15/2002 **Efron J.** Bowel preparation: the USA experience. Presented at the International Society of University Colon and Rectal Surgeons meeting in Osaka Japan. Monday, April 15, 2002.
- 4/25/2003 **Efron JE.** Recurrent rectal cancer. Invited Speaker to the *14<sup>th</sup> Annual meeting of the Argentine Chapter of the American College of Surgeons*. Key note speaker and panelists. Sheraton Convention Center and Hotel, Buenos Aires, Argentina. April 25, 2003.
- 11/9/2003 **Efron JE.** Invited speaker and panelist at the 74<sup>th</sup> Argentine Congress of Surgery and the 30<sup>th</sup> Argentine Congress of Coloproctology. Delivered 9 lectures. Sheraton Hotel and Conference Center, Buenos Aires, Argentina. November 9-12<sup>th</sup> 2003.
- 8/9/2007 **Efron J.** Presenter at the Congreso 140 Aniverario del Hospital Aleman de Buenos Aires. Course on Laparoscopic Colon Surgery. Sheraton Hotel and Convention Center, Buenos Aires, Argentina, August 9-11, 2007. Talks included: 1. How to Teach: Patients, Animals, Simulators or All? 2. Laparoscopic Surgery for Rectal Cancer: Where are we standing? Where are we going? 3. Conversion: When and Why? Proctocolectomy with intersphincteric dissection. 4. Polypectomy Assisted by Laparoscopy.
- 11/12/2011 **Efron J.** Presented at the 82<sup>nd</sup> Argentine Congress of Surgery: 1. Robotic Proctectomy for Rectal Cancer. 2. Current Management of Recurrent Rectal Cancer. 3. Interdisciplinary Approach to Advanced Colon Cancer. 3. Endorectal Brachithrapy for Rectal Cancer: A new look at an old idea. 4. Minimally Invasive Surgery for Rectal Cancer. 5. Technique of Laparoscopic Right and Left Colon Resection. 6. Will Robotic Surgery Decrease Rectal Surgery Complications? 7. Breakfast with the Professor: Colon Cancer. 8. Management of Rectal Cancer in Hereditary Cancer Syndromes (FAP or HNPCC). How to approach a difficult problem? Sheraton Hotel and Convention Center, Buenos Aires, Argentina.
- 6/25/2012 **Efron J.** Presented. Ensuring Quality in Laparoscopic and Robotic TME. 25<sup>th</sup> Biennial Congress of The International Society of University Colon & Rectal Surgeons, Palazzo della Cultura e dei Congressi, Bologna, Italy.

- 8/23/2012 **Efron J.** Presented: Endo-laparoscopic resection of a complex and/or cancer-suspicious polyp; When should we consider minimally invasive surgery as our first choice and what technique to use: multi-port, single port, robot?; Safety and Limits of laparoscopic surgery in rectal cancer; Endo-laparoscopic resection of a complex and/or cancer-suspicious polyp. All presented at the Endosur International Symposium of the Clinica Las Condes, Santiago Chile.
- 11/16/2012 **Efron J.** Presented the A.J. Grace Memorial Lecture: Rectal Cancer: Examination of the Past, Present, and Future at The 58<sup>th</sup> Annual Conference of the Southwestern Ontario Surgical Association. London Ontario, Canada.
- 04/11/2013 **Efron J.** Visiting Professor at the Graduate Entry Medical School, University of Limerick. Presented: Rectal Cancer: Examination of the Past, Present, and Future. On 4/11/13, Limerick, Ireland.
- 05/28/2013 **Efron J.** Presented at the Tenth International Colorectal Symposium. Presented Robotic Proctectomy for Rectal Cancer and The Evaluation and Management of Recurrent Rectal Cancer. Lodz Poland.

## OTHER PROFESSIONAL ACCOMPLISHMENTS

- 2004 Top Doctors, Colon and Rectal Surgery, Gulf Shore Life, Naples FL.
- 2005-present Americas Top Doctors, Colon and Rectal Surgery, Castle Connolly Medical LTD.
- 2005-present Americas Top Doctors for Cancer, Colon and Rectal Surgery, Castle Connolly Medical LTD.

## National Presentations

1. **Efron J.** Presented Is robotic TME really better? SAGES/ISLCRS/ASCRS Symposium-Optimizing Outcomes of Rectal Cancer. SAGES Scientific Session, Convension Center Baltimore MD, 4/18/2013.
2. Monirah Al Nasser, **Efron J.** Podium Presentation: National Disparities in Laparoscopic Procedures for Colon Cancer. Presented at SAGES National Meeting, Baltimore MD, Baltimore Convention Center; 04/19/13.
3. **Efron J.** Presented: Laparoscopic Pouch Surgery—Results After 20 Years. Controversies in Mucosal Ulcerative Colitis Symposium, SSAT/ASCRS Joint Symposium during Digestive Disease Week, San Diego CA, May 21, 2012.
4. **Efron J.** Presented: How to Prevent and Manage Complications in Laparoscopic Colectomy. Skills Course at the 97<sup>th</sup> Annual Clinical Congress of the American College of Surgeons. San Francisco CA, October 26<sup>th</sup> 2011.
5. Gearhart S, Wick E, **Efron J**, Shore A. IBD-Associated CRC vs. Non-IBD Associated CRC: A Seer Medicare Study. Podium Presentation: ASCRS National Meeting, Vancouver, Canada, May16th, 2011.
6. Wick E, Shore A, Hirose K, Gearhart S, **Efron J**, Weiner J, Makary M. Hospital Readmission after Colorectal Surgery: Is there room for improvement? Podium Presentation. ASCRS National Meeting, Vancouver, Canada, May18th, 2011.
7. **Efron J.** Presented: Office Anorectal Conditions. The Symposium for Allied Health Professionals at the ASCRS National Meeting, Vancouver, Canada, May15th, 2011.
8. **Efron J.** Presented: Core Subjects Update: Crohn’s Disease. ASCRS National Meeting, Vancouver, Canada, May 15<sup>th</sup>, 2011.
9. **Efron J.** Presented: Robotic Colectomy: Medical Miracle or Marketing Mania? In MIS Colorectal Surgery Postgraduate Course. Acted as Lab Faculty for Hands-on Course. SAGES National Meeting, San Antonio TX, March 30, 2011.
10. **Efron J.** Presented: Cancer Surveillance, Diagnostic, and Therapeutic Colonoscopy. In Endoscopy for Surgeons Postgraduate Course. Acted as Lab Faculty for Hands-on Course. SAGES National Meeting, San Antonio TX, March 30, 2011.
11. **Efron J.** Presented: Trades: When moving on is necessary to move up. The Young Surgeons Lunch Symposium at the ASCRS Annual Meeting. Minneapolis MN, May 16<sup>th</sup>, 2010.
12. **Efron J.** Presented: Robotics: Technique – Low Anterior Resection –The Hybrid Approach. The Robotics Symposium at the ASCRS Annual Meeting. Minneapolis MN, May 15<sup>th</sup>, 2010.

13. **Efron J.** Instructor: Robotic Rectal Dissection – Wet Lab. The ASCRS Annual Meeting. University of Minnesota, Minneapolis, MN, May 15<sup>th</sup> 2010.
14. Bouchard P, Cuong N, Young-Fadok T, Heppell J, **Efron J.** Management of Intraoperative Complication During Laparoscopic Proctectomy for Submucosal Rectal Tumor. SAGES Annual Meeting, Phoenix Convention Center, Phoenix AZ, April 24, 2009.
15. Bouchard P, Heppell J, **Efron J,** Young-Fadok T. Laparoscopic Total Mesorectal Excision and Coloanal Anastomosis for Carpeting Villous Polyp of the Rectum. SAGES Annual Meeting, Phoenix Convention Center, Phoenix AZ, April 23, 2009.
16. **Efron J.** Video Presentation: Robotic Proctectomy. 4<sup>th</sup> International Congress of Laparoscopic Colorectal Surgery. Weston FL, Feb 10<sup>th</sup>, 2009.
17. Stulberg JJ, Delaney CP, Senagore AJ, Champagne BJ, Sarker S, **Efron J,** Franklin ME, Lee S, Rivadeneira DE, Weiss E. Teaching Laparoscopic Proctosigmoidectomy to Residents: A Comparison of a High-Fidelity Synthetics Model and Live Porcine Model. Podium Presentation in Surgical Forum; Surgical Education I at the American College of Surgeons Fall Meeting, San Francisco CA, Wednesday, October 15, 2008.
18. Indar A, Young-Fadok T, Heppell J, **Efron J.** The effect of immunosuppressive medication on short-term postoperative outcome of Crohn's disease patients. Poster presentation at the American Association of Colon and Rectal Surgeon annual meeting, Boston Convention Center, Boston MA, June 7-12, 2008.
19. Ravipati NB, McLemore EC, Young-Fadok T, Heppell J, **Efron J.** Colonoscopy for rectal bleeding: What's the yield? Poster presentation at the American Association of Colon and Rectal Surgeon annual meeting, Boston Convention Center, Boston MA, June 7-12, 2008.
20. Indar A, **Efron J,** and Young-Fadok T. Laparoscopic Ileal Pouch-anal anastomosis (IPAA) reduces abdominal and pelvic adhesions. Podium presentation, Society of American Gastrointestinal and Endoscopic Surgery, Philadelphia Convention Center, Philadelphia, PA; April 12, 2008.
21. **Efron J,** Lawes D, Ravipati N, Gunderson L, Callister M, Magtibay P, Young-Fadok T, Heppell J. The use of radical surgery with Intra-Operative Electron Beam Radiation Therapy (IOERT) for locally recurrent and locally advanced rectal cancer: A comparative review. Poster presentation at the Southwest Surgical Congress, Fairmont Acapulco Princess, Acapulco, Mexico. March 30, 2008.
22. Lawes DA, Huguet KL, **Efron JE,** Young-Fadok TM. Totally Laparoscopic Proctocolectomy and Ileal Pouch-Anal Anastomosis. Colon and rectal Surgery Video Session. American College of Surgeons 93<sup>rd</sup> Annual Congress, New Orleans, LA, October 8, 2007.
23. Noonu-Mensa J, **Efron J.** Laparoscopic Right Colectomy a 5 step approach. Video presentation at the Annual meeting of the Association of Colo-proctology of Great Britain and Ireland, Glasgow Scotland, July 4<sup>th</sup>, 2007.
24. Lawes D, Huguet K, **Efron JE,** Heppell J, and Young-Fadok T. Normothermia quality initiative: When do patients lose heat? Poster presentation at the annual meeting of the ASCRS, St Louis convention center, St. Louis, MO, June 2-6, 2007.
25. Abbas MA, Lawes D, Tejjirian T, Hamadani A, Heppell J, Young-Fadok T, and **Efron JE.** Anal Fistula Plug (AFP) for the treatment of fistula-in-ano. Poster presentation at the annual meeting of the ASCRS, St Louis convention center, St. Louis, MO, June 2-6, 2007.
26. Lawes D, Huguet K, Young-Fadok, T, and **Efron J.** Video presentation: Laparoscopic assisted total proctocolectomy with intersphincteric proctectomy and ileostomy. Presented at the meeting of the Society for Surgery of the Alimentary Tract, Washington DC convention center, May 22, 2007. Selected for inclusion in the "Best of DDW" CD rom distributed at DDW, 2007.
27. Noonu-Mensa J, **Efron J,** Young-Fadok TM. Video presentation of Laparoscopic rectopexy at the Scientific session of SAGES meeting, Anatole Hotel, Dallas, Texas, Friday April 28, 2006.
28. **Efron JE,** Corman ML, Fleshman J, Barnett J, Nagel D, Birbaum E, Weiss EG, Nogueras JJ, Sligh S, Rabine J, Wexner SD. Multi-center open label prospective trial evaluating the safety and effectiveness of temperature controlled radio frequency energy delivery to the anal canal (secca procedure) for the treatment of fecal incontinence. Presented by Dr. Efron as a podium presentation at the Association of Coloproctology of Great Britain and Ireland in Manchester, England on July 5, 2002.
29. **Efron JE,** Corman ML, Fleshman J, Barnett J, Nagel D, Birbaum E, Weiss EG, Nogueras JJ, Sligh S, Rabine J, Wexner SD. Multi-center open label prospective trial evaluating the safety and effectiveness of temperature

- controlled radio frequency energy delivery to the anal canal (secca procedure) for the treatment of fecal incontinence. Presented by Dr. Efron as a podium presentation at the American Society of Colon and Rectal Surgery meeting in Atlanta Georgia on Friday June 7, 2002.
30. **Efron J**, Rothholtz N, Baig K, Pikarsky AJ, Weiss EG, Wexner SD, and Nogueras JJ. Are all incontinence patients alike? Poster presentation at the Association of Coloproctology of Great Britain and Ireland, Brighton, England, July 10-12, 2000.
  31. **Efron J**, Pikarsky AJ, Weiss EG, Wexner SD, Nogueras JJ. The efficacy of chemoradiation therapy in HIV seropositive patients with squamous cell carcinoma of the anus. Poster presentation at the Association of Coloproctology of Great Britain and Ireland, Brighton, England, July 10-12, 2000.
  32. **Efron J**, Daniel M, Pikarsky AJ, Nogueras JJ, Weiss EG, Wexner SD. A comparison of election versus urgent/emergent colectomy for mucosal ulcerative colitis. Podium presentation at the South Florida Chapter of the American College of Surgeons Research Forum. Hollywood, Florida, May 3, 2000.
  33. **Efron J**, Nogueras JJ, Rotholz N, Baig MK, Pikarsky AJ, Weiss EG, Wexner SD. Can anal ultrasound and anal electromyography predict function results after sphincteroplasty? Poster presentation at SAGES Meeting of the Millennium, Atlanta, Georgia, March 29-April 1, 2000.
  34. Colquhoun P, **Efron JE**, Eze G, Weiss EG, Vernava AM, Nogueras JJ, Wexner SD. The incidence of subclinical anal intraepithelial neoplasia in patients with anal condylomata. Podium presentation at the Annual meeting of the American Society of Colon and Rectal Surgeons, San Diego, CA, June 2-7, 2001.
  35. Boyd CD, Weiss EG, **Efron JE**, Vernava AM, Nogueras JJ, Wexner SD. Wound infection following stoma closure. Poster presentation at the Annual meeting of the American Society of Colon and Rectal Surgeons, San Diego, CA, June 2-7, 2001.
  36. Mizrahi N, Zmora O, DaSilva G, **Efron JE**, Weiss EG, Vernava AM, Nogueras JJ, Wexner SD. Endorectal advancement flap for perianal fistulas: are there factors predictive of failure. Podium presentation at the Annual meeting of the American Society of Colon and Rectal Surgeons, San Diego, CA, June 2-7, 2001.
  37. Da Silva GM, Gervaz P, Moon S, Wexner SD, Nogueras JJ, Weiss EG, **Efron J**, Vernava AM, Zmora O. Routine pouchogram before ileostomy closure of colonic J pouch anal anastomosis is unnecessary. Poster presentation at the Annual meeting of the American Society of Colon and Rectal Surgeons, San Diego, CA, June 2-7, 2001.
  38. Giordano P, Renzi A, **Efron J**, Gervaz P, Vernava AM, Nogueras JJ, Weiss EG, Wexner SD. Previous sphincter repair does not effect the outcome of repeat repair. Podium presentation at the Annual meeting of the American Society of Colon and Rectal Surgeons, San Diego, CA, June 2-7, 2001.
  39. Chung SW, Pikarsky AJ, You SY, Gervaz P, **Efron JE**, Vernava AM, Nogueras JJ, Weiss EG, Wexner SD. Perineal rectosigmoidectomy for rectal prolapse: role of levatoroplasty. Podium presentation at the Annual meeting of the American Society of Colon and Rectal Surgeons, San Diego, CA, June 2-7, 2001.
  40. Zmora O, Pishori T, Pikarsky AJ, Dinnewitzer A, **Efron JE**, Vernava AM, Nogueras JJ, Weiss EG, Wexner SD. Should ileoanal pouch surgery be staged in patients with ulcerative colitis taking immunosuppressive drugs? Poster presentation at the Annual meeting of the American Society of Colon and Rectal Surgeons, San Diego, CA, June 2-7, 2001.
  41. Zmora O, Potenti FM, Pikarsky AJ, **Efron JE**, Vernava AM, Nogueras JJ, Weiss EG, Wexner SD. Gracilis muscle transposition for the treatment of recto-urethral fistulas. Poster presentation at the Annual meeting of the American Society of Colon and Rectal Surgeons, San Diego, CA, June 2-7, 2001.
  42. Zmora O, Mizrahi N, Rothholtz N, Pikarsky AJ, **Efron JE**, Vernava AM, Nogueras JJ, Weiss EG, Wexner SD. Fibrin glue sealant in the treatment of perianal fistulas: a disappointing result. Poster presentation at the Annual meeting of the American Society of Colon and Rectal Surgeons, San Diego, CA, June 2-7, 2001.
  43. Gurland B, Zmora O, Wexner SD, **Efron JE**, Weiss EG, Nogueras JJ, Vernava AM. Does mucosal response after preoperative chemoradiation for rectal cancer imply complete response? Poster presentation at the Annual meeting of the American Society of Colon and Rectal Surgeons, San Diego, CA, June 2-7, 2001.
  44. Renzi A, Giodano P, **Efron JE**, Gervaz P, Weiss EG, Vernava AM, Nogueras JJ, Wexner SD. Long term results of overlapping sphincteroplasty for obstetric trauma. Poster presentation at the Annual meeting of the American Society of Colon and Rectal Surgeons, San Diego, CA, June 2-7, 2001.

45. Saigusa N, Belin BM, Choi HJ, Gervaz P, **Efron JE**, Vernava AM, Weiss EG, Nogueras JJ, Wexner SD. Recovery of the rectoanal inhibitory reflex after restorative proctocolectomy: does it correlate with nocturnal continence? Poster presentation at the Annual meeting of the American Society of Colon and Rectal Surgeons, San Diego, CA, June 2-7, 2001.
46. Eze G, Park TS, **Efron J**, Woodhouse S, Vernava II AM, Weiss EG, Nogueras JJ, Wexner SD. Perianal Bowen's disease: result of wide local excision and association with other carcinomas. Poster presentation at the Annual meeting of the American Society of Colon and Rectal Surgeons, San Diego, CA, June 2-7, 2001.
47. Pishori T, Dinnewitzer A, Cotman K, Secic M, **Efron J**, Weiss E, Vernava III AM, Nogueras JJ, Wexner SD. The ASCRS fecal incontinence quality of life scale and fecal incontinence severity index: clinical application and correlation. Poster presentation at the Annual meeting of the American Society of Colon and Rectal Surgeons, San Diego, CA, June 2-7, 2001.
48. Pishori T, Dinnewitzer A, Zmora O, Oberwalder M, Hajjar L, **Efron J**, Weiss E, Vernava III AM, Nogueras JJ, Wexner SD. Outcome of patients with indeterminate colitis undergoing double stapled ileal pouch anal anastomosis. Poster presentation at the Annual meeting of the American Society of Colon and Rectal Surgeons, San Diego, CA, June 2-7, 2001.
49. Zmora O, **Efron J**, Nogueras JJ, Weiss EG, Wexner SD. Reoperative ileoanal pouch surgery. Podium presentation by Jonathan Efron at the Society of Coloproctology of Great Britain and Ireland, Brighton, England, July 10-12, 2000. Presented by Oded Zmora at the American Society of Colon and Rectal Surgeons Meeting, Boston, Massachusetts, June 2000.
50. Rotholtz N, **Efron J**, Weiss EG, Nogueras JJ, Wexner SD. Anal manometric predictors of significant rectoceles in constipated patients. Poster presentation at the American Society of Colon and Rectal Surgeons Meeting, Boston, Massachusetts, June 2000.
51. **Efron JE**, Patron-Uriburu JC, Nogueras JJ, Weiss EG, Singh J, and Wexner SD. Restorative Proctocolectomy with Ileal Pouch Anal Anastomosis in Obese Patients. Podium presentation by Jonathan Efron at the Association of Coloproctology of Great Britain and Ireland. Southport, England, June 9, 1999.
52. **Efron JE**, Patron-Uriburu JC, Nogueras JJ, Weiss EG, Singh J, and Wexner SD. Restorative Proctocolectomy with Ileal Pouch Anal Anastomosis in Obese Patients. Podium presentation by Jonathan Efron at the South Florida Chapter of the American College of Surgeons Surgical Research Forum, Ft Lauderdale, Florida, April 28, 1999.
53. Rosen N, Marini CP, **Efron JE**, Nathan IM, and Cohen JR. Antigen Presentation and Interleukin-1 Production in the Protein-Calorie Malnourished Rat. Presented by Nelson Rosen at the Society of University Surgeons Residents' Program, Tampa, Florida, February 15, 1997.
54. Jurkiewicz A, Marini CP, **Efron JE**, McNelis J, Nathan IM, Munno D, and Cohen JR. The Impact of Ventilator-Associated Pneumonia on Morbidity and Mortality in a Surgical Intensive Care Unit. Poster presentation at the Annual Meeting of the Society of Critical Care, San Diego, California, 1997.
55. **Efron JE**, Frankel HL, Lazarou SA, Wasserkrug HL, and Barbul A. Wound Healing and T-lymphocytes. *Journal of Surgical Research* 48: 460-463, 1990. Podium Presentation by Jonathan Efron at the Annual Meeting of the Association for Academic Surgery, Louisville, Kentucky, November 15-18, 1989.

## Abstracts

1. Regan MC, **Efron JE**, Kirk SJ, Sodeyama DR, Holt DR, Hurson M, Wasserkrug HL, Barbul A, Bouchier-Hayes D. Regulation of wound healing by T-lymphocytes (Abstract). *Brit J Surg* 1991; 78:738. PMID:2070247. (Abstract)
2. Jurkiewicz A, Marini CP, **Efron JE**, McNelis J, Nathan IM, Munno D, Cohen JR. The impact of ventilator-associated pneumonia on morbidity and mortality in a surgical intensive care unit. *Crit Care Med* 1997; 25:A134. (Abstract)
3. **Efron JE**, Patron-Uriburu JC, Nogueras JJ, Weiss EG, Singh J, Wexner SD. Restorative proctocolectomy with ileal pouch anal anastomosis in obese patients. *Colorectal Dis Suppl* 1999 Jun. (Abstract)
4. Belin B, Pikarsky AJ, **Efron J**, Weiss EG, Nogueras JJ, Wexner SD. Outcome of resection-rectopexy for the treatment of rectal prolapse: a comparison between laparoscopy and laparotomy. *Dis Colon Rectum* 2000; 43(5):A22. (Abstract)

5. **Efron J**, Nogueras JJ, Rotholtz N, Baig MK, Pikarsky AJ, Weiss EG, Wexner SD. Can anal ultrasound and anal electromyography predict function results after sphincteroplasty? *Surg Endosc* 2000; 14:S180. (Abstract)
6. **Efron J**, Pikarsky AJ, Weiss EG, Wexner SD, Nogueras JJ. The efficacy of chemoradiation therapy in HIV seropositive patients with squamous cell carcinoma of the anus. *Colorectal Dis* 2000; 2(1):51. (Abstract)
7. **Efron J**, Rotholtz N, Baig K, Pikarsky AJ, Weiss EG, Wexner SD, Nogueras JJ. Are all incontinence patients alike? *Colorectal Dis* 2000; 2(1):52. (Abstract)
8. Pikarsky AJ, **Efron J**, Weiss EG, Nogueras JJ, Wexner SD. Perianal Crohn's disease: a scoring system to evaluate and predict outcome of surgical intervention. *Dis Colon Rectum* 2000; 43(5):A23. (Abstract)
9. Pikarsky AJ, Gervaz P, Utech M, **Efron J**, Weiss EG, Nogueras JJ, Wexner SD. Conversion rates following laparoscopic colorectal surgery: an 8-year experience. *Surg Endosc* 2000; 14(1):S212. (Abstract)
10. Pikarsky AJ, Wexner SD, Lebensart P, **Efron J**, Weiss EG, Nogueras JJ, Reissman P. The use of rectal ultrasound for the correct diagnosis and treatment of rectal villous tumors. *Surg Endosc* 2000; 14(1):S211. (Abstract)
11. Pisano M, **Efron J**, Singh J, Utech M, Weiss Eg, Nogueras JJ, Wexner SD. The role of autologous blood donation in elective colorectal surgery. *Colorectal Dis* 2000; 2(1):69. (Abstract)
12. Rotholtz N, **Efron J**, Weiss EG, Nogueras JJ, Wexner SD. Anal manometric predictors of significant rectocele in constipated patients. *Dis Colon Rectum* 2000; 43(5):A38. (Abstract)
13. Zmora O, **Efron J**, Nogueras JJ, Weiss EG, Wexner SD. Reoperative ileoanal pouch surgery. *Dis Colon* 2000; 43(5):A28. (Abstract)
14. Boyd CD, Weiss EG, **Efron JE**, Vernava AM, Nogueras JJ, Wexner SD. Wound infection following stoma closure. *Dis Colon Rectum* 2001; 44(4):A43. (Abstract)
15. Chun SW, Pikarsky A, You S, Gervaz P, **Efron J**, Vernava AM III, Weiss EG, Nogueras J, Wexner SD. Perineal rectosigmoidectomy for rectal prolapse: role of levatorplasty. *Colorectal Dis* 2001; 3:25. (Abstract)
16. Chun SW, Pikarsky A, You S, Gervaz P, **Efron J**, Vernava AM III, Wexner SD. Perineal rectosigmoidectomy for rectal prolapse: role of levatorplasty. *Dis Colon Rectum* 2001; 44:A10-A11. (Abstract)
17. Colquhoun P, **Efron J**, Eze G, Weiss EG, Vernava AM III, Nogueras J, Wexner SD. The incidence of subclinical anal intraepithelial neoplasia (AIN) in patients with anal condylomata. *Dis Colon Rectum* 2001; 44:A24. (Abstract)
18. Colquhoun P, **Efron J**, Eze G, Weiss EG, Vernava AM III, Nogueras J, Wexner SD. The incidence of subclinical and intraepithelial neoplasia (AIN) in patients with anal condylomata. *Colorectal Disease* 2001; 3:77. (Abstract)
19. Dasilva G, Berho M, **Efron J**, Vernava AM III, Weiss EG, Weiss SD, Wexner SD, Nogueras J, Gervaz P. Histologic analysis of the anal sphincter after radiotherapy. *Colorectal Dis* 2001; 3:56. (Abstract)
20. Dasilva G, Gervaz P, Moon S, Wexner SD, Nogueras J, Weiss EG, **Efron J**, Vernava AM III, Zmora O. Routine pouchogram before ileostomy closure after colonic J pouch anal anastomosis is unnecessary. *Colorectal Dis* 2001; 3:8. (Abstract)
21. Dasilva G, Gervaz P, Moon S, Wexner SD, Nogueras J, Weiss EG, **Efron J**, Vernava AM III, Zmora O. Routine pouchogram before ileostomy closure clonic J pouch anal anastomosis is unnecessary. *Dis Colon Rectum* 2001; 44:A51. (Abstract)
22. Eze G, Park TS, **Efron J**, Vernava AM III, Weiss EG, Nogueras J, Wexner SD. Perianal Bowen's disease: result of wide local excision and association with other carcinomas. *Colorectal Dis* 2001; 3:77-78. (Abstract)
23. Eze G, Park TS, **Efron J**, Woodhouse S, Vernava AM III, Weiss EG, Nogueras J, Wong D, Wexner SD. Perianal Bowen's disease: result of wide local excision and association with other carcinomas. *Dis Colon Rectum* 2001; 44:A42. (Abstract)
24. Gervaz P, **Efron J**, Posa A, Chun SW, Woodhouse S, Wexner SD, Carethers J, Vernava AM III, Weiss EG, Nogueras J. Loss of heterozygosity in anal squamous cell carcinoma. *Colorectal Dis* 2001; 3:78. (Abstract)
25. Gervaz P, Rotholtz N, Belin B, You S, **Efron J**, Vernava AM III, Weiss EG, Nogueras J, Wexner SD. Colonic J pouch function in rectal cancer patients: functional impact of chemoradiation therapy. *Colorectal Dis* 2001; 3:9. (Abstract)
26. Giordano P, Renzi A, **Efron J**, Gervaz P, Vernava AM III, Weiss EG, Nogueras J, Wexner SD. Previous sphincter repair does not effect the outcome of repeat repair. *Dis Colon Rectum* 2001; 44:A10. (Abstract)

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