

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

Jonathan E. Efron

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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

1/1/14 - present Interim Director of the Department of Surgery
Johns Hopkins University

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
2001-2002 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.
2005-2009 Associate Professor of Surgery, Divisions of Colorectal and General Surgery, Mayo Clinic College of Medicine
2008-2009 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. *J Surg Research* 1997; 69:001-005.
6. Pikarsky A, Wexner S, Lebensart P, **Efron J**, Weiss E, Nogueras 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, Nogueras 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. **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.
9. **Efron JE**, Patron-Uriburu JC, Nogueras JJ, Weiss EG, Singh J, Wexner SD. Restorative proctocolectomy with ileal pouch anal anastomosis in obese patients. *Obesity Surg* 2001; 11:246-51. PMID:11433894.
10. 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.
11. 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.
12. 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.
13. 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.
14. 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.
15. 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.
16. 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.
17. 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.
18. 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.
19. 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.
20. Zbar P, Fenger C, **Efron J**, Beer-Gabel M, Wexner SD. The pathology and molecular biology of anal intra-epithelial neoplasia: comparisons with cervical and vulvar intraepithelial carcinoma. *Int J Colorectal Dis* 2002; 17(203-15). PMID:12073068.
21. 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.
22. 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 American Society of Colon and Rectal Surgeons. *Am Surg* 2003; 69(2):150-4. PMID:12641357.
23. 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.

24. 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.
25. 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.
26. **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.
27. 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.
28. Zmora O, Potenti FM, Wexner SD, Pikarsky AJ, **Efron JE**, Nogueras JJ, Pricolo VE, Weiss EG. Gracilis muscle transposition for iatrogenic rectourethral fistula. *Ann Surg* 2003; 237(4):483-7.
29. 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.
30. 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.
31. 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.
32. 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.
33. 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.
34. Jaffe MP, **Efron J**, Vernava AM III, Liberman MA. Colonoscopy: why are general surgeons being excluded? *Surg Endosc* 2004; 18(2):352.
35. 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.
36. 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.
37. 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.
38. 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.
39. 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.
40. 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.
41. 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.
42. 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.

43. Baig MK, Woodhouse S, Dipasquale B, Vernava AM, **Efron J**. Rectal prolapse associated with schistosomiasis. *Surgical Rounds* 2006; 29(4):181-4.
44. 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.
45. Rosen SA, Colquhoun P, **Efron J**, Vernava AM 3rd, Nogueras JJ, Wexner SD, Weiss EG. Horseshoe abscesses and fistulas: How are we doing? *Surg Innov* 2006 Mar; 13(1):17-21. PMID 16708151
46. 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.
47. 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.
48. 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.
49. 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.
50. *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.
51. Giordano P, **Efron J**, Vernava AM 3rd, Weiss EG, Nogueras JJ, Wexner SD. Strategies of follow-up for colorectal cancer: A survey of American Society of Colon and Rectal Surgeons. *Tech Coloproctol*. 2006 Oct; 10(3):199-207. Epub 2006 Sep 20. PMID 16969616.
52. 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.
53. 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.
54. Khaikin M, Schneidereit 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.
55. 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.
56. 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.
57. 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.
58. 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.
59. 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.
60. 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.
61. Indar A, **Efron J**. Laparoscopic surgery for rectal cancer. *Perm J*. 2009 Winter; 13(1):47-52.
62. 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.
63. 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.
64. 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.

65. 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.
66. 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.
67. 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; discuss 398-9. Epub 2012 Jan 29.
68. 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]
69. 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.
70. 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.
71. 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.
72. 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.
73. 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.
74. 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.
75. Magruder JT, Efron JE. Technology and health information technology in colorectal surgery: electronic literature support. *Clin Colon Rectal Surg*. 2013 Mar;26(1):31-5. doi: 10.1055/s-0033-1333645 review. PMID: 24436645
76. Monn MF, Hui X, Lau BD, Streiff M, Haut ER, Wick EC, **Efron JE**, Gearhart SL. Infection and venous thromboembolism in patients undergoing colorectal surgery: what is the relationship? *Dis Colon Rectum*. 2014 Apr;57(4):497-505. doi: 10.1097/DCR.000000000000054. PMID: 24608307
77. 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 May;37(5): 1110-4. Doi: 10.1007/s00268-013-1943-7.
78. Alnasser M, Schneider EB, Gearhart SL, Wick EC, Fang SH, Haider AH, **Efron JE**. National disparities in laparoscopic colorectal procedures for colon cancer. *Surg Endosc*. 2013 Sep 4. PMID: 24002916.
79. 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.
80. Gleisner AL, Mogal H, Dodson R, **Efron J**, Gearhart S, Wick E, Lidor A, Herman JM, Pawlik TM. Nodal Status, Number of Lymph Nodes Examined, and Lymph Node Ratio: What Defines Prognosis after Resection of Colon Adenocarcinoma? *J Am Coll Surg*. 2013 Sep 14. doi:pii: S1072-7515(13)00983-6. 10.1016/j.jamcollsurg.2013.07.404. [Epub ahead of print] PMID: 24045143.
81. **Efron J**. York Mason procedure to repair iatrogenic rectourinary fistula. *World J Surg*. 2013 Dec;37(12): 2956. Doi: 10.1007/s00268-013-2239-7 PMID: 24081536
82. Reese JB, Finian PH, Haythornthwaite JA, Kadan M, Regan KR, Herman JM, **Efron J**, Diaz LA Jr, Azad NS. Support Care Cancer. 2014 Feb;22(2):461-8. Doi: 10.1007/s00520-013-1998-x.
83. Lamore RF 3rd, Hechenbleikner EM, Ha C, Salvatori R, Harris LH, Marohn MR, Gearhart SL, **Efron JE**,

- Wick EC. Perioperative glucocorticoid prescribing habits in patients with inflammatory bowel disease: a call for standardization. *JAMA Surg.* 2014 May; 149(5): 459-66 PMID: 24647868
84. **Efron J.** Laparoscopic pouch surgery: results after 20 years. *J Gastrointest Surg.* 2014 Jul;18(7):1234-5. doi: 10.1007/s11605-014-2504-6. Epub 2014 Apr 2 PMID: 24692090
 85. Moningi S, Armour EP, Terezakis SA, **Efron JE**, Gearhart SL, Bivalacqua TJ, Kumar R, Le Y, Kien Ng S, Wolfgang CL, Zellars RC, Ellsworth SG, Ahuja N, Herman JM. High-dose-rate intraoperative radiation therapy: the nuts and bolts of starting a program. *J Contemp Brachytherapy.* 2014 Mar;6(1):99-105. doi: 10.5114/jcb.2014.42027. Epub 2014 Apr 3. Review. PMID: 24790628
 86. Pang J, Broyles JM, Berj J, Buretta K, Shridharani SM, Rochlin DH, **Efron JE**, Sacks JM. Abdominal-versus thigh-based reconstruction of perineal defects in patients with cancer. *Dis Colon Rectum.* 2014 Jun;57(6):752-32. doi: 10.1097/DCR.0000000000000103. PMID: 24807597
 87. Hicks CW, Pappou EP, Magruder JT, Gazer B, Fang S, Wick EC, Gearhart SL, Ahuja N, **Efron, JE.** Clinicopathologic Presentation and Natural History of Anorectal MelanomaL A Case Series of 18 Patients. *JAMA Surg* 2014 May 21. doi: 10.1001/jamasurg.2013.4643. PMID: 24848283
 88. Hicks CW, Frank SM, Wasey JO, **Efron JE**, Gearhart S, Fang S, Safar B, Makary MA, Wick EC. A Novel Means of Assessing Institutional Adherence to Blood Transfusion Guidelines. *Am J Med Qual.* 2014 Jul 17. pii: 1062860614542972. PMID: 25034028
 89. Fang SH, **Efron JE**, Berho ME, Wexner SD. Silemma of Stage II Colon Cancer and Decision Making for Adjuvant Chemotherapy. *J Am Coll Surg.* 2014 Nov;219(5): 1056-1069. doi: 10.1016/j.jamcollsurg.2014.09.010. Epub 2014 Sep 29. Review. PMID: 25440029

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, **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.
7. Demirjan AN, **Efron JE.** Multimodality Treatment and Timing for Rectal Cancer in Hereditary Colorectal Cancer Patients. *Seminars in Colon and Rectal Surgery*, June 2011.
8. Magruder JT, **Efron JE.** Technology and Health Information Technology in Colorectal Surgery: Electronic Literature Support. *Clin Colon Rectal Surgery.* 2013 Mar;26(1):31-35. Review

Inventions, Patents, Copyrights: None

Extramural Sponsorship: None

Research Program Building Leadership

- | | |
|--------------|--|
| 7/11-present | I founded a colorectal surgery research fellowship in conjunction with the National Guard Hospital in Riyadh, Saudi Arabia that is one to two years. Funding is from philanthropy and the National Guard Hospital. We have had two female residents rotate through the fellowship program. I mentor their outcome research interest and coordinate with the other colorectal surgeons in the section of colorectal surgery at Johns Hopkins on prospective trials and retrospective outcomes research. |
| 7/14-6/15 | I will mentor two surgical residents who will rotate from Sinai Hospital, Baltimore for a one year research fellowship in the Ravitch Division. |

EDUCATIONAL ACTIVITIES

Education Publications

Invited Critiques and 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.
9. **Efron JE.** Invited Commentary: York-Mason Procedure to repair Iatrogenic Rectourinary fistula. *World J Surg* 2013,Oct 1st. PMID: 24081536.

Case Reports/Review of Literature:

1. Umar SB, **Efron JE**, Heigh RI. An interesting case of mistaken identity. *Case Rep Gastroenterol* 2008 Sep 30;2(3):308-13.
2. Pikarsky AJ, **Efron JE**, Weiss EG, Eisenberg P, Nogueras JJ, Wexner SD. Overcoming wall-stent malposition in the treatment of rectosigmoid obstruction: a case report. *Surg Endosc* 2000; 14:372-4. PMID:10854522.
3. 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.
4. 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.
5. 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.

Book Chapters, Monographs

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; 2000:206-13.
3. **Efron J**, Wexner SD. Rectal cancer. In: Cameron JL. Current Surgical Therapy 7th ed. Philadelphia: Mosby; 2001:235-45.
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; 2001:330-8.
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; 2003:1-26.
6. **Efron J**, Nogueras JJ. Restorative proctocolectomy. In: Wexner SD. Laparoscopic surgery of the abdomen. New York, NY: Springer-Verlag; 2004:420-4.
7. Cera SM, **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; 2006:315-318.
8. Doty J, **Efron JE.** Bowel Dysfunction. In: G. Willy Davila, Gamal M. Ghoniem and Steven D. Wexner. Pelvic Floor Dysfunction: A Multidisciplinary Approach. New York: Springer; 2006:15-18.
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; 2007:405-412.
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; 2007:2288-98.
11. Lunsford T, **Efron JE.** Fecal Incontinence: Office Based Management. In: Sands L, 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 2nd Ed. Saunders; 2008.
14. Lawes D, **Efron JE**. Recto-vaginal and Recto-urethral Fistulas. In: Zbar AP, Wexner SD. Coloproctology. Springer; 2010:169-184.
15. Bouchard P, **Efron J**. Pilonidal Disease. In: Cameron JL, Cameron AM. Current Surgical Therapy 10th Ed. 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, 2nd Ed. Springer; 2011:721-730.
17. **Efron J**, Stamos MJ. Laparoscopic Medial to Lateral Dissection for Left Colectomy. Master techniques in General Surgery: Colon and Rectal Surgery Abdominal Operations. Lippincott Williams Wilkins. 2012:75-82.
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 Wilkins. 2013:1125-1176.
19. **Efron JE**, Vargas HD. The Morbidly Obese Patient. In: Complexities in Colorectal Surgery: Decisions Making and Management. Steele SR, Maykel JA, Champagne BJ, Orangio GR (eds). Springer Business Media. In print 2013.
20. Hicks C, **Efron J**. Rectovaginal Fistulas. IN Pelvic Floor Dysfunction and Pelvic Surgery in the Elderly: An Integrated Approach. Ed. Katlic M, Gordon D. Springer Publications. 2013.
21. Hicks C, **Efron JE**. Anastomotic leaks: Large bowel and Rectum. In Schein's Common Sense Prevention and Management of Surgical Complications. Springer, 2013.
22. Fang S, **Efron JE**. The Management of Chronic Ulcerative Colitis. In: Cameron's Current Surgical Therapy. Cameron J, Cameron A (eds). Elsevier Saunders, 2014.

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, Young-Fadok T (eds). ACS Multimedia Atlas of Surgery Volume I: Colorectal Surgery, Cine-Med, Inc; 2008. (Video chapter)

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 to a group of 12 colorectal surgery residents, Cleveland Clinic Florida, Ft. Lauderdale, FL. |
| 2005-2009 | Lecture series for General Surgery residents, 4 lectures 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, Johns Hopkins Hospital. |
| 2010- | Participate in 4 lectures a year with the Surgical Oncology Core Lecture Series, Johns Hopkins Hospital. |
| 2010-2012 | Surgery Residents Lecture, "Constipation and Pelvic Outlet Dysfunction"; "Inflammatory Bowel Disease", "Diverticulitis", one hour each, Johns Hopkins Hospital. |
| 2011 | Intern resident lecture, "Bowel Obstruction" 1 hour, Johns Hopkins Hospital. |
| 2013-present | GI surgical pathology lecture given to medical students as part of the Genes to Society curriculum, Johns Hopkins University School of Medicine, Baltimore, MD. |
| 2013-present | Professor's hour, one day a week, three to four times a year with the surgery clerkship students, Johns Hopkins Hospital. |

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.
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, Johns Hopkins Hospital.

CME Instruction:**Invited CME Lectures/Presentations:**

- 4/15/00 **Efron J.** Virtual Colonoscopy; Diverticulitis. Video Presentation to Hamberg Germany, Cleveland Clinic Florida, Ft Lauderdale FL
- 9/12/00 **Efron J.** The Management of Difficult Stomas. Broward County Ostomy Society. Hollywood Memorial Regional Hospital, Hollywood FL
- 10/7/00 **Efron J.** The Role of Radiology in Colon and Rectal Surgery. Florida Association of Radiologic Science Professionals, Ft Lauderdale FL.
- 10/14/00 **Efron J.** Organizer and Moderator of the morning session at Annual Meeting of the Northeast Society of Colorectal Surgeons. The Breakers Hotel, Palm Beach FL.
- 1/26/01 **Efron J.** Recent Advances and New Innovations in Colorectal Surgery. American College of Osteopathic Surgeons In Depth Colorectal Surgery Review, Sanibel Harbour Resort, Sanibel FL.
- 2/15-2/17/01 **Efron J.** The Effect of Fibrin Glue on the Results of Endoanal Advancement Flaps for Fistulas; Perineal Rectosigmoidectomy., video presentation. 12th Annual Colorectal Disease Symposium, Ft. Lauderdale FL.
- 3/16-3/18/01 **Efron J.** The Colorectal Evaluation; Constipation and Rectocele Repair. First Annual Pelvic Floor Disorders Symposium, Ft. Lauderdale FL.
- 9/9/01 **Efron J.** Surgical Treatment of Rectal Cancer; Proctitis Ani: Anorectal Physiology lab. Essentials in Colorectal Disease: A Course for the Practicing Physician. Naples FL.
- 2/15/02 **Efron J.** Radiofrequency and Other Non-operative Modalities in the Management of Fecal Incontinence. 13th Annual Symposium on Colorectal Disease, Ft. Lauderdale FL.
- 2/16/02 **Efron J.** Rectourethral Fistula. 13th Annual Symposium on Colorectal Disease, Ft. Lauderdale FL
- 2/14/03 **Efron J.** 1. Radiofrequency 2. New non-operative techniques in the management of constipation. 14th Annual International Symposium on Colorectal Disease, Ft. Lauderdale FL
- 3/12/03 **Efron J.** Instructor: Laparoscopic Colectomy Course sponsored by SAGES at their Annual Meeting. Los Angeles CA.
- 2/12/03 **Efron J.** The Secca Procedure. Secca Course, Ft. Lauderdale FL.
- 8/27/03 **Efron JE.** Recurrent Rectal Cancer. Univ Western Ontario, University Hospital, London Ontario.
- 6/13/03 **Efron J.** Rectocele Repair. Third Annual Pelvic Floor Disorders Symposium, Ft. Lauderdale FL.
- 6/22/03 **Efron JE.** Core Curriculum Lectures: Stomas and Stoma Management. Annual Meeting of American Society of Colon and Rectal Surgeons, New Orleans LA.
- 7/31-8/1/03 **Efron JE.** 1. Outcomes of Laparoscopic Surgery for Inflammatory Bowel Disease. 2. Laparoscopic Right Colectomy. SAGES Advanced Laparoscopic colectomy course, US Surgical Corporate Headquarters, Norwalk, CT.
- 9/20/03 **Efron J.** Invited Speaker: The Southern Region Meeting for Enterostomal Therapists. Tampa FL.
- 9/12-9/14/04 **Efron J.** 1. Management of Recurrent Rectal Cancer. 2. Secca and Acyst Procedure for Fecal Incontinence. 15th Annual International Symposium on Colorectal Disease, Ft. Lauderdale FL.
- 9/7-9/10/04 **Efron J.** 1. Recurrent Rectal Cancer 2. Update on the management of Fecal incontinence. The Northeast Society of Colorectal Surgery Meeting, Palm Beach, FL.
- 2/13/04 **Efron J.** The Secca Procedure. Secca Course, Ft. Lauderdale FL
- 6/11/05 **Efron J.** Laparoscopic Left Colectomy. Tulane University Laparoscopic Colectomy Course. Tulane University, New Orleans LA.
- 2/17-2/18/05 **Efron J.** 1. Radiofrequency. 2. Bowel Preparation--Is it Necessary and If So, How? 16th Annual International Symposium on Colorectal Disease, Ft Lauderdale FL.

3/2/06	Efron J. Surgical Management of Fecal Incontinence. Winter GI Symposium, Mayo Clinic Scottsdale, AZ.
3/3/06	Efron J. Laparoscopic Right Colectomy. Mayo Clinic Scottsdale Laparoscopic Colectomy Course. Course Organizer and Instructor. Mayo Clinic Arizona, Scottsdale AZ.
3/25/06	Efron J. Current Management of Fecal Incontinence. Annual Urogynecology and Pelvic Floor Conference, Scottsdale AZ.
4/27/06	Efron J. Instructor: The SAGES Endoscopy Post-graduate Course on Advanced Colonoscopy Skills, Dallas TX.
6/4/06	Efron J. Lateral to Medial Colonic Mobilization in Right Colectomy. In Laparoscopic Techniques: The Real Nuts and Bolts. Video Presentation at American Society of Colon and Rectal Surgeons, Seattle WA.
8/31-9/2/06	Efron J. 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.
9/26/06	Efron J. Laparoscopic Right and Left Colectomy Lateral to Medial Approach. Minimally Invasive Surgery Series Laparoscopic Colon Surgery. Mayo Clinic, Scottsdale AZ.
10/11/06	Efron J. What's New in the Management of Hemorrhoids. American College of Surgeons 92 nd Annual Clinical Congress, GI Surgery Post-graduate Course. Chicago IL.
11/17/06	Efron J. Laparoscopic Left Colectomy Lateral to Medial Approach. Minimally Invasive Surgery Series Laparoscopic Colon Surgery. Mayo Clinic, Scottsdale AZ.
2/16/07	Efron J. Left Colectomy Lateral to Medial Approach. University of Texas Southwestern Medical Center Laparoscopic Colectomy Course. University of South West Texas, Dallas TX.
4/19-4/22/07	Efron J. Management of the Ileocolic and Middle Colic Vessels. Video Presentation at SAGES Meeting, Las Vegas NE.
6/3/07	Efron J. Video presentation: Laparoscopic Left Colectomy Lateral to Medial Approach. Presented at the Laparoscopic Colectomy: The Basics and Beyond Course, annual ASCRS meeting, St Louis.
9/5/07	Efron J. Management of Complex Perianal and Recto-vaginal Fistulas. Annual Meeting of Northeast Society of Colorectal Surgeons, Palm Beach FL.
10/8/07	Efron J. Updates on Anal and Rectovaginal Fistulas. In Management of Challenging Fistulas, American College of Surgeons 93 rd Annual Congress, New Orleans LA.
9/26/08	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.
10/16/08	Efron J. Prevention of Para-stomal Hernias. Stoma Construction and Complications at the American College of Surgeons Fall Meeting, San Francisco CA.
12/11/08	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..
2/11/09	Efron J. Right Colectomy and Laparoscopic Surgery for Rectal Cancer. 4 th International Congress of Laparoscopic Colorectal Surgery. Hallandale Beach FL.
2/13/09	Efron J. Conquering Postoperative Ileus. 20 th Anniversary of Cleveland Clinic Florida International Symposium on Colorectal Disease. Ft Lauderdale FL.
3/3/09	Efron J. The SECCA Procedure for Fecal Incontinence. In Technological Advances in the Diagnosis and Treatment of Colorectal Diseases. American Society of Colon and Rectal Surgeons Annual Scientific Meeting; Hollywood FL.
3/3/09	Efron J. Laparoscopic Para-stomal Hernia Repair. In Laparoscopic Colorectal Surgery: Nuts, Bolts, and New Tools for your Toolbox. American Society of Colon and Rectal Surgeons Annual Scientific Meeting; Hollywood FL.
4/22/09	Efron J. Instructor: The SAGES Hands-on Laparoscopic Colectomy Course. SAGES National Meeting, Phoenix AZ.
5/2/09	Efron J. Assistant Director: Dinner Symposium: Simulation in Colon and Rectal Surgery. Presented: Team Training and Crisis Resource Management. American Society of Colon and Rectal Surgeons Annual Scientific Meeting, Hollywood FL.

5/4/09	Efron J. Professor with Dr. Bruce Orkin at the “Meet the Professor” Breakfast on topic Parastomal Hernia. American Society of Colon and Rectal Surgeons Annual Scientific Meeting; Hollywood FL.
7/25/09	Efron J. Invited speaker: Arizona Chapter of American College of Surgeons Meeting. The Evolving Multimodal Management Plan for Postoperative Ileus: Improving Time to Bowel Recovery. Phoenix AZ.
9/9/-9/12/09	Efron J. Anal Incontinence and Overlapping Sphincteroplasty and Management of Injuries to the GI Tract During Gynecologic Surgery. 18 th Annual Mayo Clinic Urogynecology and Disorders of the Female Pelvic Floor. Mayo Clinic Arizona Scottsdale AZ.
11/5-11/6/09	Efron J. Cancer Outcomes. SAGES Laparoscopic Review Course, Norwalk CT.
11/11-11/15/09	Efron J. Minimally Invasive Management for Colorectal Cancer. 35 th Annual Topics in Gastroenterology and Hepato-Biliary Update Conference. Johns Hopkins University School of Medicine, Baltimore, MD.
5/7/10	Efron J. 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.
7/17-7/18/10	Efron J. Hemorrhoids and Other Anorectal Diseases. Lee Memorial Health System’s GI Symposium for 2010. Fort Myers FL.
2/2-2/3/11	Efron J. Minimally Invasive Surgery for IBD and Management of Complex Perianal Disease in Crohn’s Patients. Johns Hopkins GI Update Course, Vail CO.
3/19/11	Efron J. The New Era: Robotics in Colorectal Cancer; Radical Resection in Colorectal Cancer. Colorectal Cancer In the New Millennium: An Update for Clinical Practitioner. Charleston SC.
6/3/11	Efron J. Outcomes in Colorectal Surgery and Moderated: Colorectal Workshop, Advances in Single Port Surgery: New Laparoscopic and Robotic Approaches. Cleveland Ohio.
9/22/11	Efron J. Laparoscopic Resection for Colorectal Cancer: Is it Really Better? In The 5th Current Concepts in the Multidisciplinary Management of Colorectal Cancer.
11/8/11	Efron J. Recurrent Rectal Cancer. 85 th Annual Halsted Society Meeting, Baltimore MD.
5/2/12	Efron J. Moderated Session and Presented: Robotics in General Surgery. Gary P Wratten Surgical Symposium, Uniformed Services University of the Health Sciences, Bethesda MD.
5/14/12	Efron J. Preventing and Managing Anal Cancer. 22 nd Annual Clinical Care of the Patient with HIV Infection, Baltimore MD
9/8/12	Efron J. The Clinical and Pathological Predictors of Recurrence and Survival in Anal Canal Cancer Patients and a Review of Current Screening and Prevention Techniques at Halsted Society 86 th Annual Meeting, San Diego CA.
9/30/12	Efron J. Endorectal brachytherapy for rectal cancer: A new look at an old idea. at the Surgical Biology Club III meeting at ACS meeting, Chicago
10/3/12	Efron J. Co-Moderated the Rectal Cancer Symposium and presented minimally invasive surgical approach to rectal cancer at ACS annual meeting. Chicago, IL.
11/9/12	Efron J. A Critical New Look at the New Options: SILS, Incisionless, Robotic, TATA, and TEM Surgical Approaches at Second annual scientific meeting of Multidisciplinary International Rectal Cancer Society (MIRCS). Philadelphia, PA.
3/1/13	Efron J. Laparoscopic treatment of rectal cancer: Should it be or is it the standard of care? Innovations in Surgery Video conference.
12/13-12/15/13	Efron J. Surgical planning –Options for Technical Approach and Management of Neoadjuvant Complete Responders. Controversies, Problems and Techniques in Surgery, 29 th Annual mtg, NY

Workshops/seminars: None

Mentoring

2002-present	Cleveland Clinic Florida Colorectal Surgical Fellowship: Trained fellows. Specific fellows mentored:
7/1/02 – present	Brian Valerian. Currently Associate Professor of Surgery, Albany Medical College, NY.
7/1/04 – present	John Megaly. Currently Assistant Professor of Surgery, Duke University/Medical Center; Program Director, Colorectal Fellowship, Duke University Med Center.

	7/1/04-present	David Maron: Currently Vice Chair of Division of Colorectal Surgery, Cleveland Clinic Florida. Associate program director Cleveland Clinic Florida Colorectal Surgery Residency.
2005-present	Mayo Clinic Arizona	General Surgical residents: Taught general surgical residents.
	7/1/05 – 8/30/12	Nagesh Ravipati: Mentored 2005-2008. Helped obtain colorectal fellowship and visa and current employment, Private Practice, Ft Myers FL .
	7/1/05 – present	Elizabeth McClemore: Assistant Professor of Surgery at University of California, San Diego, 7/1/12-1/1/14. 2/1/14-present: Chief of Colorectal Surgery, Director of MIS Center at Kaiser Los Angeles Medical Center.
2007-2009	Mayo Clinic Arizona	Colorectal Surgical Fellowship: Taught Colorectal Surgical fellows:
	7/1/07- 6/30/08	Daniel Lawes: Mentored 2007-2008. Consultant Surgeon, Tunbridge Wells, England; Director of Regional Cancer Center.
	7/1/08-6/30/09	Philippe Bouchard: Mentored 2008-2009. Full Time Staff CHUQ/Hospital St-Francois D'Assise, Quebec City 9/1/09-present
2011-present	Johns Hopkins University:	
	10/1/09-7/1/11	Jonathan Trent Magruder. Mentored as third and fourth year medical student in variety of clinical outcomes research projects and through application process for surgical residency. Currently a categorical intern in the Johns Hopkins University surgical residency.
	10/1/09-present	Mann Pappou: Chief Resident in Surgery at Johns Hopkins Hospital, Matched fellowship Colon and Rectal Surgery Cornell/Columbia combined program. Mentored numerous clinical outcomes research projects and provided professional advice.
	7/1/11-12/30/13	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.
	7/1/12- present	Caitlin Hicks: 2012 – present. Resident in General Surgery at Johns Hopkins Hospital. Mentoring her in clinical research projects and in career choices.
	7/1/13-present	Azah Althumairi: Research Fellow at Johns Hopkins Division of Colorectal Surgery. Arranged fellowship and mentored during two year research rotation at Johns Hopkins Hospital from the National Guard Hospital King Abdul Aziz Medical City, Reyad, Saudi Arabia.

Thesis committees: None

Training Grant Participation: None

Education Program Building Leadership: None

Educational Extramural Funding: None

CLINICAL ACTIVITIES

Certification

Licensure

1993-1999	New York State #206392-1
1998-2008	Florida #ME-0076384
2005-2011	Arizona #33553
2009-2014	Maryland #D0069531

Boards

12/15/99-7/1/10	Board Certified General Surgery
12/9/08-7/1/20	Re-certified General Surgery
9/23/00-12/31/10	Board Certified Colon and Rectal Surgery
5/2/09-12/31/20	Re-certified Colon and Rectal Surgery

Clinical (Service) Responsibilities

2000-2005	Staff Surgeon, Colorectal Surgery; Cleveland Clinic Florida, Ft. Lauderdale and Naples, FL. Instructed colorectal 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.
10/1/09-present	Chief of the Ravitch Division of Gastrointestinal Surgery at Johns Hopkins Hospital. I am responsible for the oversight of 7 other full time surgeons in the division. We have multiple support staff associated with the providers including physicians assistants, nurse practitioners, and nurses. I run a busy colorectal surgery practice where I see patients in clinic 1 and ½ days a week and operate 3 to 4 days a week working with one chief resident, one third year, and two junior residents from the surgical residency. I perform over 350 operations a year and over 1000 patient visits.
1/1/14-present	Interim Director for the Department of Surgery at Johns Hopkins University, and head the Surgical Functional Unit for Surgery at Johns Hopkins Hospital.

Clinical Extramural Funding: none

System Innovation:

System Innovation and Quality Improvement Publications:

1. 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]
2. 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.

System Innovation and Quality Improvement Efforts within JHM:

10/1/09 – present Development of the specialty of Colorectal Surgery at Johns Hopkins Medicine. As division chief I expanded the section of colorectal surgery at Johns Hopkins Hospital from 2 surgeons to 5 surgeons. These surgeons started rotating at Bayview Medical Center in 2011 bringing colorectal surgery as a specialty to Bayview for the first time. This has resulted in significant growth in clinical volumes at both hospitals. I have also focused on expanding colorectal surgery in the National Capitol Region. The division has incorporated a full time staff surgeon rotating at Sibley Hospital and is in the process of incorporating 3 private practice colorectal surgeons into the JHCP group at Howard County Hospital. We have incorporated 2 private practice surgeons into the JHCP practice group at Suburban Hospital. I ensure continued academic and educational activities between the surgeons at each institution, as well as monitor clinical activity.

System Innovation and Quality Improvement efforts outside of JHM: None

Production of guidelines and/or protocols: None

System Innovation and Quality Improvement Program Building/Leadership:

10/1/10-present Founding Member of the Colorectal Surgery CUSP Committee. CUSP group was founded in response to excessively high wound infection rates at Johns Hopkins Hospital (44%). I appointed Dr. Elizabeth Wick to lead the group and provided financial and administrative support through the Ravitch Division as well as participating as an active member of the committee, and mandating the recommended changes and protocols be instituted through the Division of Colorectal Surgery. The efforts have resulted in reduction of wound infection rate to 12%. I have supported the founding of a Colorectal surgery CUSP group at the Bayview Medical Center.

1/1/14-present Founding member of the Colorectal Enhanced Recovery Surgery Pathway. I initiated a program to decrease length of stay and readmission rates in colorectal surgery patients with Dr. Elizabeth Wick and Dr. Christopher Wu. Awaiting results.

ORGANIZATIONAL ACTIVITIES

Institutional Administrative Appointments

2001-2003 Member of the OR Management Committee: Cleveland Clinic Florida, Naples.
 2001-2003 Group Member of the Mortality and Morbidity Committee: Cleveland Clinic Florida, Naples.
 2001-2004 Chairman of the Bylaws committee: Cleveland Clinic Florida, Naples.
 2001-2005 Member of the Institutional Review Board: Cleveland Clinic Florida.
 2001-2005 Member of the Utilization Review Committee: Cleveland Clinic Florida Naples
 2002-2005 Member of the Pharmacy, Nutrition, and Therapeutics Committee: Cleveland Clinic Florida Naples.
 2002-2005 Member of the Physician Satisfaction Committee: Cleveland Clinic Florida.
 2006-2009 Member of the GI DOG Committee, Mayo Clinic Arizona
 2007-2009 Member of the Finance 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.
 2008-2009 Member of the General Surgical Education Committee, Mayo Clinic Arizona.
 2008-2009 Member of the Surgical DOG, Mayo Clinic Arizona.
 2009-present Member of the Finance Committee, Department of Surgery, Johns Hopkins University
 2009-present Member of the Resident Promotion Committee, Johns Hopkins University
 2010-present Member of the Peri-operative Safety Committee
 2010-present Member of the Colorectal CUSP Committee, Johns Hopkins Hospital
 2010-2012 Member of the Physician Access Committee Johns Hopkins Medicine
 2011-present Member of the Peri-Operative Improvement Committee, Johns Hopkins Hospital.
 2012-2013 Member of the Director OB/GYN Search Committee
 2013-present Member of the Residents Competency Committee.
 2013-present Surgical Advisor for the Domestic Medical Second Opinion Program, Johns Hopkins USA.

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

2009-2013 Associate Examiner American Board of Colorectal Surgery
 2011-2012 Associate Examiner American Board of Surgery
 2013-present Senior Associate Examiner American Board of Colon and Rectal 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-present Committee member International Society of University Colon and Rectal Surgeons: Education Committee.
- 2012-present Committee member and Chair: International Society of University Colon and rectal Surgeons: resident Committee.
- 2012-present Committee member: Rectal Cancer Coordinating Committee of the ASCRS.

Professional Societies

- 2002-present Fellow, American College of Surgeons, ACS
- 2010-present Member, Maryland Chapter, ACS
- 2002-present Fellow, American Society of Colon and Rectal Surgeons ASCRS
- 2005-present Member, Self Assessment Committee, ASCRS
- 2009-present Member, CME committee, ASCRS
- 2000-present Member, Society of American Gastrointestinal Endoscopic Surgeons SAGES
- 2002-present Member, Society of Laproendoscopic Surgeons SLS
- 2003-present Member, Society of Surgeons of the Alimentary Tract
- 2007-present Member, Southwest Surgical Society
- 2009-present Member, International Society of Surgery
- 2010-present Member, Baltimore Surgical Accadamy
- 2010-present Member of the Chesapeake Colorectal Society (CCS)
- 2013-2015 President, CCS
- 2011-present Member, Halsted Society
- 2011-present Founding Member, Multidisciplinary International Rectal Cancer Society
- 2011-present Member, International Society of University Colorectal Surgeons
- 2014-present Member, Southern Surgical Society

Conference Organizer, Session Chair: None

Consultanship: None

RECOGNITION

Awards/Honors

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

Invited Talks, Panels

- 9/23/10 **Efron J.** Keynote speaker at the New York Society of Colorectal Surgeons fall meeting. Robotic Proctectomy: The Future of Rectal Surgery? The Cornell Club. New York, NY.

Invited Grand Rounds

- 6/11/98 **Efron J.** Carcinoid Tumors. Grand Rounds presentation at Long Island Jewish Medical Center, New Hyde Park, New York
- 4/13/00 **Efron J.** Controversies in Ileal Pouch Surgery. Grand Rounds, Sinai Hospital of Baltimore, MD
- 5/15/02 **Efron J.** Current management of fecal incontinence. Presented at Surgical Grand Rounds, University of Florida, Shands Hospital, Gainesville, FL.
- 8/15/03 **Efron J.** Grand rounds on The management of local recurrent rectal cancer. University of Western Ontario, London, Ontario.
- 9/11/03 **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.
- 9/17-18/04 **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
- 4/11/05 **Efron J.** Grand rounds Mayo Clinic Scottsdale, Management of Rectourethral and other complex perineal fistulas.
- 10/31/07 **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.

- 8/25/08 **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.
- 10/26/08 **Efron J.** Grand rounds Johns Hopkins University, The Efron Lecture: Management of locally advanced and recurrent rectal cancer with IORT. Baltimore MD.
- 2/02/10 **Efron J.** Visiting Professor at Methodist Hospital: The Management of Locally recurrent and Locally Advanced Rectal Cancer. Brooklyn, NY.
- 3/03/10 **Efron J.** Grand Round at George Washington University Hospital: The Management of Locally Recurrent and Locally Advanced Rectal cancer. Washington D.C.
- 10/22/11 **Efron J.** Visiting Professor and Grand Rounds at York Hospital Center. The Current Management of Rectal Cancer. York PA.
- 03/38/11 **Efron J.** Grand Rounds at Washington Hospital Center: Current Management of Lower Gastrointestinal Bleeding, Washington D.C.
- 1/24/12 **Efron J.** Management of Recurrent Rectal Cancer. Hackensack University Medical Center, Hackensack, NJ.
- 3/25/13 **Efron J.** Grand Rounds at New York University. Rectal Cancer: Examination of the Past, Present, and Future. NY.
- 12/16/13 **Efron J.** Visiting Professor Cleveland Clinic, Florida. Department of Colon and Rectal Surgery. Hopkins and Halsted, sex, drugs and the birth of a surgical department, Management of Recurrent Rectal Cancer, Rectal Cancer, the past, present and future.

Invited International Presentations

- 7/10-12/00 **Efron J.** Bowel Preparation. Invited talk at the Association of Coloproctology of Great Britain and Ireland, Brighton, England.
- 10/20-21/00 **Efron J.** Fecal Incontinence: The Surgical Management and Sphincter preserving surgery for Rectal Cancer. Colon and Rectal Surgery review sponsored by University of Istanbul, Istanbul, Turkey.
- 4/15/02 **Efron J.** Bowel preparation: the USA experience. Presented at the International Society of University Colon and Rectal Surgeons meeting in Osaka Japan.
- 4/25/03 **Efron JE.** Recurrent rectal cancer. Invited Speaker to the 14th 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.
- 11/9-12/03 **Efron JE.** Invited speaker and panelist at 74th Argentine Congress of Surgery and 30th Argentine Congress of Coloproctology. Delivered 9 lectures. Buenos Aires, Argentina.
- 8/9-11/07 **Efron J.** Congreso 140 Aniverario del Hospital Aleman de Buenos Aires. Course on Laparoscopic Colon Surgery. Buenos Aires, Argentina. 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.
- 11/12/11 **Efron J.** 82nd 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? Buenos Aires, Argentina.
- 6/25/12 **Efron J.** Ensuring Quality in Laparoscopic and Robotic TME. 25th Biennial Congress of International Society of University Colon & Rectal Surgeons, Palazzo della Cultura e dei Congressi, Bologna, Italy.
- 8/23/12 **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.
- 11/16/12 **Efron J.** A.J Grace Memorial Lecture: Rectal Cancer: Examination of the Past, Present, and Future at 58th Annual Conference of Southwestern Ontario Surgical Association. London Ontario, Canada.
- 4/11/13 **Efron J.** Visiting Professor, Graduate Entry Medical School, University of Limerick. Presented: Rectal Cancer: Examination of the Past, Present, and Future. Limerick, Ireland.

5/28/13 **Efron J.** Robotic Proctectomy for Rectal Cancer and The Evaluation and Management of Recurrent Rectal Cancer. Tenth International Colorectal Symposium. 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.
 2013-2014 Baltimore's Top Doctors: Colorectal Surgery.

National Presentations

11/16/89 **Efron JE**, Frankel HL, Lazarou SA, Wasserkrug HL, and Barbul A. Wound Healing and T-lymphocytes. Podium Presentation (Efron) at Annual Meeting of Association for Academic Surgery.
 2/15/97 Rosen N, Marini CP, **Efron JE**, Nathan IM, Cohen JR. Antigen Presentation and Interleukin-1 Production in the Protein-Calorie Malnourished Rat. Presented (Rosen) at Society of University Surgeons Residents' Program, Tampa, Florida.
 4/28/99 **Efron JE**, Patron-Uriburu JC, Nogeras JJ, Weiss EG, Singh J, and Wexner SD. Restorative Proctocolectomy with Ileal Pouch Anal Anastomosis in Obese Patients. Podium presentation (Efron) at South Florida Chapter of American College of Surgeons Surgical Research Forum, Ft Lauderdale
 6/9/99 **Efron JE**, Patron-Uriburu JC, Nogeras JJ, Weiss EG, Singh J, and Wexner SD. Restorative Proctocolectomy with Ileal Pouch Anal Anastomosis in Obese Patients. Podium presentation (Efron) at Association of Coloproctology of Great Britain and Ireland. Southport, England.
 5/3/00 **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
 7/10-12/00 Zmora O, **Efron J**, Nogueras JJ, Weiss EG, Wexner SD. Reoperative ileoanal pouch surgery. Podium presentation (Efron) at Society of Coloproctology of Great Britain and Ireland, Brighton, England,
 5/16/00 Zmora O, **Efron J**, Nogueras JJ, Weiss EG, Wexner SD. Reoperative ileoanal pouch surgery. Podium presentation (Zmora) at American Society of Colon and Rectal Surgeons Meeting.
 6/3/01 Giordano P, Renzi A, **Efron J**, Gervaz P, Vernava AM, Nogueras JJ, Weiss EG, Wexner SD. Previous sphincter repair does not affect the outcome of repeat repair. Podium presentation at Annual meeting of American Society of Colon and Rectal Surgeons, San Diego, CA.
 6/4/01 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 Annual meeting of American Society of Colon and Rectal Surgeons, San Diego.
 6/5/01 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 Annual meeting of American Society of Colon and Rectal Surgeons, San Diego, CA.
 6/6/01 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 Annual meeting of American Society of Colon and Rectal Surgeons, San Diego, CA.
 6/7/02 **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. Podium presentation (Efron) at American Society of Colon and Rectal Surgery meeting, Atlanta Georgia.
 7/5/02 **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. Podium presentation (Efron) at Association of Coloproctology of Great Britain and Ireland in Manchester, England.
 4/28/06 Noonu-Mensa J, **Efron J**, Young-Fadok TM. Video presentation of Laparoscopic rectopexy at the Scientific session of SAGES meeting, Dallas, Texas.
 5/22/07 Lawes D, Huget K, Young-Fadok, T, **Efron J**. Video presentation: Laparoscopic assisted total proctocolectomy with intersphincteric proctectomy and ileostomy. Presented at meeting of Society for Surgery of the Alimentary Tract, Washington DC. Selected for inclusion in the "Best of DDW" CD rom distributed at DDW, 2007.

- 7/4/07 Noonu-Mensa J, **Efron J**. Laparoscopic Right Colectomy a 5 step approach. Video presentation at the Annual meeting of Association of Colo-proctology of Great Britain and Ireland, Glasgow Scotland,
- 10/8/07 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 93rd Annual Congress.
- 4/12/08 Indar A, **Efron J**, Young-Fadok T. Laparoscopic Ileal Pouch-anal anastomosis (IPAA) reduces abdominal and pelvic adhesions. Podium presentation, Society of American Gastrointestinal and Endoscopic Surgery, Philadelphia, PA.
- 10/15/08 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 American College of Surgeons Fall Meeting, San Francisco CA.
- 2/10/09 **Efron J**. Video Presentation: Robotic Proctectomy. 4th International Congress of Laparoscopic Colorectal Surgery. Weston FL.
- 4/23/09 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 Mtg, Phoenix AZ.
- 4/24/09 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 AZ.
- 5/15/10 **Efron J**. Presented: Robotics: Technique – Low Anterior Resection –The Hybrid Approach. The Robotics Symposium at ASCRS Annual Meeting. Minneapolis MN.
- 5/15/10 **Efron J**. Instructor: Robotic Rectal Dissection – Wet Lab. ASCRS Annual Meeting. University of Minnesota, Minneapolis, MN.
- 5/16/10 **Efron J**. Trades: When moving on is necessary to move up. The Young Surgeons Lunch Symposium at ASCRS Annual Meeting. Minneapolis MN.
- 3/30/11 **Efron J**. 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.
- 3/30/11 **Efron J**. 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.
- 5/15/11 **Efron J**. Core Subjects Update: Crohn's Disease. ASCRS National Meeting, Vancouver, Canada.
- 5/16/11 **Efron J**. Presented: Office Anorectal Conditions. Symposium for Allied Health Professionals at ASCRS National Meeting, Vancouver, Canada.
- 5/16/11 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.
- 5/16/11 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.
- 10/26/11 **Efron J**. How to Prevent and Manage Complications in Laparoscopic Colectomy. Skills Course at 97th Annual Clinical Congress of American College of Surgeons. San Francisco CA.
- 5/21/12 **Efron J**. Laparoscopic Pouch Surgery—Results After 20 Years. Controversies in Mucosal Ulcerative Colitis Symposium, SSAT/ASCRS Joint Symposium during Digestive Disease Week, San Diego CA.
- 4/18/13 **Efron J**. Is robotic TME really better? SAGES/ISLSCR/ASCRS Symposium-Optimizing Outcomes of Rectal Cancer. SAGES Scientific Session, Convention Center Baltimore MD.
- 4/19/13 Monirah Al Nasser, **Efron J**. Podium Presentation: National Disparities in Laparoscopic Procedures for Colon Cancer. SAGES National Meeting, Baltimore MD

Community Activities

- 2009- present Member, Board of trustees of Maryland and Southern Delaware Chapter of Crohn's and Colitis Foundation of America.