

CURRICULUM VITAE

KURT ERIC ROBERTS, M.D.

Present Position: Assistant Professor, Department of Surgery at Yale University
Director of Surgical Endoscopy
Associate Director, Yale Surgical Skills and Simulation Center
Assistant Director, Yale Surgical Clerkship

Address: Department of Surgery
Section of Gastrointestinal Surgery
40 Temple Street
Suite 7B
New Haven, CT 06510

Degrees: Abitur Englisches Institut, Heidelberg, Germany (1989)
M.D. Innsbruck Medical University, Austria (1997)

Postgraduate Training:

Resident, Surgery: Innsbruck Medical University, Austria (1998-2000)
Intern, Surgery: The Johns Hopkins Hospital, Baltimore, MD (2000-2001)
Resident, Surgery: The Johns Hopkins Hospital, Baltimore, MD (2001-2003)
Resident, Surgery: University of Washington, Seattle, WA (2003-2004)
Chief Resident, Surgery: University of Washington, Seattle, WA (2004-2005)

Fellowships:

Minimally Invasive Surgery, Yale School of Medicine, New Haven, CT (2005-2006)

Appointment:

Assistant Professor of Surgery: Yale University School of Medicine (July 2006-present)

Certification and Licensure:

1. Advanced Cardiac Life Support (2000)
2. Advanced Trauma Life Support (2000)
3. Advanced Trauma Life Support, Instructor (2006)

Boards:

American Board of Surgery (02/07/2006 - #50957)

Honors and Awards:

Honorable Mention: Best Scientific Paper. Society of Laparoendoscopic Surgeons (2006)

Thesis: The immunosuppressive effect of 2-CdA in the allogenic heterotopic model in the rat. Innsbruck Medical University (1997)

Certification for Radiology and Radiation protection. Innsbruck Medical University.

Authorization to perform animal testing under Austrian law. Innsbruck Medical University.

Member of the Student's Program for Organ Transplantation. Innsbruck Medical University, Department of Transplantation Surgery.

Research Positions:

Jan 1995 - June 2000 Research Assistant
Raimund Margreiter, MD, PhD, Innsbruck Medical University, Department of Transplantation. Establishment of heart in the neck transplantation model in the rat. Testing of immunosuppressive effects of different substances. Establishment of pancreatic rat islet cell isolation.

July 1999 – June 2000 Research Instructor
Department of Transplantation. Innsbruck Medical University.

Aug 1998 – June 2000 Research Assistant
Gustav Fraedrich, MD, PhD, University Hospital of Innsbruck, Department of Vascular Surgery. Investigation of the performance and outcome of endovascular interventions.

Research Grants/Projects:

Title: Basic Laparoscopic Surgical Skills Simulation
Role: Co-Investigator
Funding: YSM- OHSE
Interval: 2005-2006
Amount: \$6,000

Title: Advanced Laparoscopic Surgical Skills Simulation
Role: Co-Investigator
Funding: YSM- OHSE
Interval: 2006-2007
Amount: \$10,000

Title: Transvaginal Ventral Hernia Repair in a Porcine Model
Role: Primary Investigator

Funding: YSM- OHSE
Interval: 2007-2008
Amount: \$9,804

Societies:

1. American College of Surgeons
2. Society of Laparoendoscopic Surgeons
3. The Society of American Gastrointestinal and Endoscopic Surgeons
4. Austrian Society of Surgery
5. Innsbruck Medical University Alumni
6. University of Washington Alumni

Reviewer:

1. Journal of the American College of Surgeons
2. Archives of Surgery
3. American College of Physicians, The Physicians' Information and Education Resource

Original Publications:

1. Schmid Th, Hechenleitner P, Mark W, Fischer M, **Roberts K**, Geisen F, Klima G, Dietze O, Konwalinka G, Margreiter R. 2-chlorodeoxyadenosine (Cladribine) in combination with low-dose cyclosporin prevents rejection after allogenic heart and liver transplantation in the rat. *Eur Surg Res.* 1998 Sept; 30:61-68.
2. Steurer W, Stadlmann S, **Roberts K**, Fischer M, Margreiter R, Gnaiger E. Quality assessment of isolated pancreatic rat islets by high-resolution respirometry. *Transplant Proc.* 1999 Feb-Mar; 31(1-2): 650.
3. Margreiter R, Fischer M, **Roberts K**, Schmid Th, Hittmair A, Schirmer M, Geisen F, Tiefenthaler M, Konwalinka G. Gemcitabine - a novel immunosuppressive agent - prevents rejection in a rat cardiac transplant model. *Transplantation.* 1999 Oct 15; 68(7):1051-3.
4. Czermak BV, Waldenberger P, Fraedrich G, Dessel AH, **Roberts KE**, Bale RJ, Perkman R, Jaschke WR. Treatment of Stanford type B aortic dissection with stent-grafts: preliminary results. *Radiology.* 2000 Nov; 217(2):544-50.
5. Jeske HC, Oberladstatter J, Schneeberger S, Hittmair A, Klima G, Obrist P, Ollinger R, **Roberts K**, Schubert H, Steurer W, Margreiter R. Gemcitabine with cyclosporine or with tacrolimus exerts a synergistic effect and induces tolerance in the rat. *Transplantation.* 2003 Oct 15; 76(7):1046-52.

6. **Roberts KE** and Oelschlager BK. Are laparoscopic antireflux procedures useful? *Nature Clinical Practice Gastroenterology & Hepatology*. 2005; 2:2-3.
7. Salem L, Anaya DA, **Roberts KE**, Flum DR. Hartmann's colectomy and reversal in diverticulitis: A population-level assessment. *Dis Colon Rectum*. 2005 May; 48(5):988-95.
8. Sidani SM, Kirchhoff P, Socrates T, Stelter L, Ferreira E, Caputo C, **Roberts KE**, Bell RL, Egan ME, Geibel JP. ÅF508 mutation results in impaired gastric acid secretion. *J Biol Chem*. 2007 Mar 2; 282(9):6068-74.
9. **Roberts KE**, Duffy AJ, Bell RL. Laparoscopic transgastric repair of a gastrogastic fistula after gastric bypass: A novel technique. *Surg Innov*. 2007 Mar; 14(1):18-23.
10. **Roberts KE**, Duffy AJ, Kaufman J, Dzuira JD, Bell RL. Size matters: Gastric pouch size correlates with weight loss following laparoscopic Roux-Y gastric bypass. *Surg Endosc*. 2007 Aug;21(8):1397-402.
11. Alva S, Eisenberg D, Duffy AJ, **Roberts KE**, Israel G, Bell RL. A New Modality to Evaluate the Gastric Remnant Following Roux-Y Gastric Bypass. *Surg Obes Relat Dis* 2008; Jan-Feb;4(1):46-9; discussion 49.
12. **Roberts KE**, Panait L, Duffy AJ, Jamidar PA, Bell RL. Laparoscopic-assisted transgastric endoscopy: current indications and future implications. *JSLs*. 2008 Jan-Mar;12(1):30-6.
13. Alva S, Eisenberg D, Duffy AJ, **Roberts KE**, Israel G, Bell RL. Virtual Three-Dimensional Computed Tomography Evaluation of the Gastric Pouch Following Laparoscopic Roux-Y Gastric Bypass. *Obes Surg*. 2008 Apr;18(4):364-6.
14. Moliterno JA, Diluna ML, Sood S, **Roberts KE**, Duncan CC. Gastric bypass: a risk factor for neural tube defects? *J Neurosurg Pediatrics*. 2008 May;1(5):406-9.
15. Berman L, Carling T, Bell RL, Duffy AJ, Longo WE, **Roberts KE**. Defining surgical therapy for pseudomembranous colitis with toxic megacolon. *J Clin Gastroenterol*. 2008 May-Jun;42(5):476-80.
16. Panait L, Bell RL, Duffy AJ, **Roberts KE**. Two-port laparoscopic appendectomy: Minimizing the minimally invasive approach. *J Surg Res* 2008; in press.
17. **Roberts KE**. True single port appendectomy: First experience with the "Puppeteer Technique". *Surgical Endoscopy* 2008; accepted.

Movies/Films/Videos:

1. **Roberts KE**, Kaufman JI, Duffy AJ, Bell RL. Laparoscopic repair of esophageal perforation following pneumatic dilatation for achalasia. Presented at *SAGES* Spring Meeting 2006.
2. **Roberts KE**, Duffy AJ, Jamidar P, Bell RL. Transgastric repair of a gastrogastic fistula following laparoscopic Roux-Y gastric bypass. Presented at *SSAT* Annual Meeting 2006.
3. Siddiqui UD, **Roberts KE**, Duffy AJ, Bell RL, Aslanian HA, Jamidar PA. Transgastric ERCP: Port and port-less access. *Gastrointestinal Endosc.* 2006 April; 63(5): AB4

Reviews:

1. **Roberts KE**, Duffy AJ, Bell RL. Controversies in the treatment of gastroesophageal reflux and achalasia. *World J Gastroenterol.* 2006 May 28; 12(20):3155-61.
2. **Roberts KE**, Bell RL, Duffy AJ. Evaluation of surgical skills training. *World J Gastroenterol.* 2006 May 28; 12(20):3219-24.
3. Elakkary E, Duffy A, **Roberts K**, Bell R. Recent advances in the surgical treatment of achalasia and gastroesophageal reflux disease. *J Clin Gastroenterol.* 2008 May-Jun;42(5):603-9.
4. Fitzgerald TN, Duffy AJ, Bell RL, Berman L, Longo WE, **Roberts KE**. Endoscopy Simulation: Emerging roles in teaching and professional skill assessment. *J Surg Educ.* 2008 May-Jun;65(3):229-35

Presentations at Professional Meetings:

1. **Roberts K**, Fischer M, Konwalinka G, Margreiter R, Schmid Th. Cladribine (2-CdA) prolongs transplant survival after allogenic heart transplantation in the rat. *Acta Chir Austr.* 1995 Oct; 116(27):26-27.
2. **Roberts K**, Fischer M, Klima G, Margreiter R, Schmid Th. Experimental heart transplantation in the rat - Influence of the learning process on the complication rate. *Acta Chir Austr.* 1997 May; 130(29):18.xx
3. **Roberts KE**, Fischer MJ, Klima G, Margreiter R, Schmid Th. Heterotopic cervical heart transplantation in the rat using the cuff-technique. *Acta Chir Austr.* 1997 Nov; 137(30):26.

4. Fischer MJ, **Roberts KE**, Brauns T, Klima G, Konwalinka G, Margreiter R, Schmid Th. The requirement of photometric quality control of a new immunosuppressive substance - Gemcitabine. *Acta Chir Austr.* 1997 Nov; 137 (29):15.
6. Tauscher Th, **Roberts K**, Waldenberger P, Jaschke W, Fraedrich G. Endovascular therapy of thoracic aneurysms in high risk patients. *Langenbecks Arch. Chir.*
7. **Roberts KE**, Kaufman JI, Duffy AJ, Bell RL. Laparoscopic Roux-Y gastric bypass: The Yale experience. *CT-ACS*, Meriden, CT, 2005.
8. **Roberts KE**, Kaufman JI, Duffy AJ, Bell R. Laparoscopic repair of esophageal perforation following pneumatic dilatation for achalasia. Presented at *SAGES* Spring Meeting 2006.
9. **Roberts KE**, Kaufman JI, Duffy AJ, Dziura JE, Bell RL. Size Matters: Gastric pouch size correlates with weight loss following laparoscopic Roux-Y gastric bypass. Presented at *SAGES* Spring Meeting 2006.
10. **Roberts KE**, Duffy AJ, Jamidar PA, Bell RL. Transgastric repair of a gastrogastic fistula following laparoscopic Roux-Y gastric bypass. Presented at *SSAT* Annual Meeting 2006.
11. **Roberts KE**, Kaufman JI, Duffy AJ, Bell RL. Laparoscopic Roux-Y gastric bypass in high-risk patients: A single institution's experience. Presented at *ASBS* Annual Meeting 2006.
12. **Roberts KE**, Bell RL, Duffy AJ, Kaufman JI, Aluka KJ, Fullum TM. Gastrojejunal stricture formation after laparoscopic Roux-Y gastric bypass is minimized with the linear-stapled technique. Presented at *ASBS* Annual Meeting 2006.
13. **Roberts KE**, Duffy AJ, Bell RL. Laparoscopic transgastric endoscopy: Current indications and future implications. Presented at *SLS* Annual Meeting 2006.
14. **Roberts KE**, Bell RL, Duffy AJ. Developing a laparoscopic skills curriculum using virtual reality simulation. Presented at *SLS* Annual Meeting 2006.
15. **Roberts KE**, Kaufman JI, Duffy AJ, Bell RL. Laparoscopic repair of esophageal perforation following pneumatic dilatation for achalasia. Accepted at *WCES* in Berlin 2006.
16. **Roberts KE**, Kaufman JI, Duffy AJ, Dziura JE, Bell RL. Size matters: Gastric pouch size correlates with weight loss following laparoscopic Roux-Y gastric bypass. Accepted at *WCES* in Berlin 2006.
17. Berman L, Carling T, Bell RL, Duffy AJ, Longo WE, **Roberts KE**. Defining

surgical therapy for pseudomembranous colitis with toxic megacolon: Case report and review of the literature. Presented at *CT-ACS* Meriden, CT, 2006.

18. Abrams P, Duffy AJ, Bell RL, Longo WE, **Roberts KE**. Failed nonoperative treatment for perforated appendicitis requiring interval appendectomy: Case report and review of the literature. Presented at *CT-ACS* Meriden, CT, 2006.
19. Alva S, Borscheid R, Longo WE, Bell RL, Duffy AJ, Rutherford TJ, **Roberts KE**. The unusual case of delayed massive gastrointestinal anastomotic bleed following ieocolonic resection in a gastric bypass patient. presented at *CT-ACS* Meriden, CT, 2006.
20. Eisenberg D, Ramirez A, Hrabosky JI, Duffy AJ, **Roberts KE**, Bell RL. Preoperative weight loss does not predict postoperative success in Roux-Y gastric bypass. Presented at the *Society of American Gastrointestinal and Endoscopic Surgeons*, Las Vegas, Nevada, April 18-22, 2007.
21. Eisenberg D, Ramirez A, Hrabosky JI, Duffy AJ, **Roberts KE**, Bell RL. Medically-supervised diets are not superior to other dietary interventions prior to weight loss surgery. Presented at the *Society of American Gastrointestinal and Endoscopic Surgeons*, Las Vegas, Nevada, April 18-22, 2007.
22. Alva S, Eisenberg D, Duffy AJ, **Roberts KE**, Israel G, Bell RL. A new modality to evaluate the gastric remnant following Roux-Y gastric bypass. Presented at the *American Society for Bariatric Surgery*, San Diego, California, June 11-16, 2007.
23. Alva S, Eisenberg D, Duffy AJ, **Roberts KE**, Israel G, Bell RL. Virtual three dimensional computed tomography evaluation of the gastric pouch following laparoscopic Roux-Y gastric bypass. Presented at the *American Society for Bariatric Surgery*, San Diego, California, June 11-16, 2007.
24. **Roberts KE**, DuffyAJ, Bell RL. A novel technique in diagnosing a leak in the Lap Band System. Presented at the *Society of Laparoendoscopic Surgeons*, San Francisco, September 4-6, 2007.
25. Henry MCW, **Roberts KE**, Lui F, Schuster K, Kaplan L and Davis K. Devastating traumatic rectal injury associated with blunt pelvic trauma. Presented at the Western Trauma Association, Steamboat Springs, Colorado, March 2007.
26. **Roberts KE**, Zaruby J, Krehel G, Horton K. Transvaginal ventral hernia repair. *Society of American Gastrointestinal and Endoscopic Surgeons*, Philadelphia, Pennsylvania, April 9-12, 2008.
27. **Roberts KE**. Single incision laparoscopic umbilical hernia repair. *Society of American Gastrointestinal and Endoscopic Surgeons*, Philadelphia, Pennsylvania, April 9-12, 2008.

28. **Roberts KE.** True Single-Port laparoscopic appendectomy: First experience with the “puppeteer technique” *Society of American Gastrointestinal and Endoscopic Surgeons*, Philadelphia, Pennsylvania, April 9-12, 2008.

29. **Roberts KE. San Francisco?**

Thesis, dissertation and Postdoctoral supervision:

Thesis advisor

Jeannine Alberts Ruby 2008: “Nonobstetric Laparoscopy Versus Laparotomy During Pregnancy: Maternal and Fetal Outcomes”

Minimally Invasive Surgery fellows trained

Dan Eisenberg 2007