

## CURRICULUM VITAE



### **Hans F Fuchs, MD**

Assistant Professor of Surgery  
Leading Surgeon, Robotic Surgery  
Department of Surgery  
University of Cologne  
Kerpener Str. 62  
50937 Cologne  
Germany

### **Medical School**

2003 - 2009	Goethe University, Frankfurt am Main, Germany
2007 - 2008	Erasmus Stipend: Université Claude Bernard, Lyon, France
2008 - 2009	Practical year
	- General Surgery, University of Queensland, Brisbane, Australia (Prof. B. Smithers)
	- Trauma Surgery, Goethe University, Frankfurt am Main, Germany
	- Internal Medicine, Goethe University, Frankfurt am Main, Germany
	- Plastic Surgery, Goethe University, Frankfurt am Main, Germany
11/2009	Graduation from Medical School, Goethe University, Frankfurt am Main

## **academic career**

- 08/2011 MD PhD thesis *somatoform disorders and gastroesophageal reflux disease*, Charité University Berlin, Germany
- 08/2013 - 07/2015 Postdoctoral Research Fellow, Center for the Future of Surgery, University of California, San Diego (Prof. Santiago Horgan)
- 08/2017 Assistant Professor of Surgery  
Department of Surgery  
Chair: Professor Christiane J. Bruns  
University of Cologne, Germany

## **Clinical career**

- 06/2010 – 12/2016 Resident, Department of Surgery, University of Cologne, Germany  
Chair: Professor Arnulf H. Hölscher and Professor Christiane J. Bruns
- 08/2013 - 07/2015 Postdoctoral Research Fellow, Center for the Future of Surgery, University of California, San Diego, USA; PI: Professor Santiago Horgan
- 01/2017 Attending Physician, Department of Surgery, University of Cologne, Germany  
Chair: Professor Christiane J. Bruns
- 02/2017 Leading Surgeon, Robotic Surgery

**clinical interest:**

Upper Gastrointestinal Surgery, Minimally Invasive and Robotic surgery (certified *da Vinci*<sup>®</sup> console surgeon since 07/2015)

**Scientific interest:**

- Improvement of outcomes after gastrointestinal surgery using new and minimally invasive technology
- Leadership of GI motility and function testing laboratory at University of Cologne

**Awards/stipends**

06/2020	Cologne university foundation grant
05/2019	Educational grant ESOMAP trial (intuitive surgical)
02/2019	Educational grant (Fortimedix)
01/2019	University of Cologne award for best scientific achievement in 2017
04/2018	Felicien-Steichen award (german society of surgery)
03/2018	Educational grant (Fortimedix)
02/2018	Educational grant (Restech)
10/2017	American College of Surgeons (ACS) travel fellowship award of the German Society of Surgery with visits at the University of California, San Diego and Massachusetts General Hospital, Harvard University, Boston
09/2016	German Society of General Surgery abstract award
06/2017	Educational grant (Stryker)
05/2016- 05/2018	Köln Fortune (University of Cologne) research grant
06/2014	Abstract voted in Karl Storz Award Session, European Association of Endoscopic Surgery (EAES)
04/2014	2014 SAGES (Society of American Gastrointestinal and Endoscopic Surgeons) Foundation Gerald Marks Rectal Cancer Award
2013-2015	Scholarship holder at the Center for the Future of Surgery, University of California, San Diego, USA

**Membership**

2010	DGCH German Society of Surgery
2011	DGAV German Society of General and Gastrointestinal Surgery
2012	ISDE International Society for Diseases of the Esophagus
2013	SAGES Society of American Gastrointestinal and Endoscopic Surgeons
2014	ACS American College of Surgeons
2016	SSAT Society for Surgery of the Alimentary Tract

2018 EAES European Association of Endoscopic Surgery  
2020 EAES Technology committee

## **Reviewer**

Digestive Surgery

International Journal of Surgery Research and Practice

Diseases of the Esophagus

World Journal of Gastroenterology

Surgical Endoscopy

World Journal of Gastrointestinal Pharmacology and Therapeutics

PlosOne

## Publications (43 pubmed listed items)

### First/Shared First/Last

- 1. Software improvement for evaluation of laryngopharyngeal pH testing (Restech) – a comparison between DataView 3 and 4** *World J Gastrointest Surg* 2020; 12(5): 236-246 Müller DT, Schulte E, Babic B, Knepper L, Fuchs C, Schröder W, Bruns CJ, Leers JM, **Fuchs HF**
- 2. Transdiaphragmatic herniation after transthoracic esophagectomy: an underestimated problem.**  
**Fuchs HF**, Knepper L, Müller DT, Bartella I, Bruns CJ, Leers JM, Schröder W. *Dis Esophagus*. 2020 May 22: doaa024. doi: 10.1093/dote/daaa024. Epub ahead of print. **IF 2,702**
- 3. Robotic transhiatal esophagectomy.**  
Broderick RC, Horgan S, **Fuchs HF**. *Dis Esophagus*. 2020 May 13:doaa037. doi: 10.1093/dote/daaa037. Epub ahead of print. **IF 2,702**
- 4. Neoadjuvant chemoradiotherapy or chemotherapy for locally advanced esophageal cancer?.**  
Babic B, **Fuchs HF**, Bruns CJ. *Chirurg*. 2020;91(5):379-383. doi:10.1007/s00104-020-01150-6 **IF 0,614**
- 5. True single-port cholecystectomy with ICG cholangiography through a single 15-mm trocar using the new surgical platform "symphonX": first human case study with a commercially available device.**  
Datta RR, Dieplinger G, Wahba R, Kleinert R, Thomas M, Gebauer F, Schiffmann L, Stippel DL, Bruns CJ, **Fuchs HF**. *Surg Endosc*. 2019 Oct 28. [Epub ahead of print] **IF 3,54**
- 6. Modular step-up approach to robot-assisted transthoracic esophagectomy—experience of a German high volume center.**  
**Fuchs HF**, Müller DT, Leers JM, Schröder W, Bruns CJ. *Transl Gastroenterol Hepatol* 2019. **IF 0,37**
- 7. Robot-Assisted Oesophagectomy: Recommendations Towards a Standardised Ivor Lewis Procedure.** Egberts JH, Biebl M, Perez DR, Mees ST, Grimminger PP, Müller-Stich BP, Stein H, **Fuchs H**, Bruns CJ, Hackert T, Lang H, Pratschke J, Izbicki J, Weitz J, Becker T. J (all authors contributing significantly) *Gastrointest Surg*. 2019 Apr 1. **IF 2,813**

- 8. Do patients with gastroesophageal reflux disease and somatoform tendencies benefit from antireflux surgery?**  
Fuchs HF, Babic B, Fuchs KF, Breithaupt W, Varga G, Musial F. World J Gastroenterol 2019; In press [IF 3,365](#)
- 9. Simultaneous laryngopharyngeal pH monitoring (Restech) and conventional esophageal pH monitoring – Correlation using a large patient collective of more than 100 patients with suspected gastroesophageal reflux disease**  
Fuchs HF, Müller DT, Berlth F, Maus MK, Fuchs C, Dübbers M, Schröder W, Bruns CJ, Leers JM Dis Esophagus. 2018 Jan [accepted for publication] [IF 2,702](#)
- 10. Minimally invasive and robotic-assisted surgical management of upper gastrointestinal cancer.**  
Grimminger PP, Fuchs HF. [IF 0,64](#)  
Chirurg. 2017 Oct 12. doi: 10.1007/s00104-017-0522-0. [Epub ahead of print]
- 11. Endoscopic and Histopathologic Reflux-associated Mucosal damage in the Remnant Esophagus Following Transthoracic Esophagectomy for Cancer – 5 Year Long-term Follow-up**  
Fuchs HF, Schmidt HM, Meissner M, Brinkmann S, Maus M, Bludau M, Schröder W, Hölscher AH, Leers JM Dis Esophagus. 2017 Sep 21 [online] [IF 2,702](#)
- 12. Mortality after esophagectomy is heavily impacted by center volume: retrospective analysis of the Nationwide Inpatient Sample**  
Fuchs HF, Harnsberger CR, Broderick RC, Chang DC, Jacobsen GR, Sandler BJ, Horgan S Surg Endosc. 2017 Jun;31(6):2491-2497. doi: 10.1007/s00464-016-5251-9. [IF 3,54](#)
- 13. Intraoperative Endoscopic Botox Injection During Total Esophagectomy Prevents the Need for Pyloromyotomy or Dilatation.**  
Fuchs HF, Broderick RC, Harnsberger CR, Divo FA, Coker AM, Jacobsen GR, Sandler BJ, Bouvet M, Horgan S. J Laparoendosc Adv Surg Tech A. 2016 Jun;26(6):433-8. [IF 1,297](#)
- 14. Simple preoperative risk scale accurately predicts perioperative mortality following esophagectomy for malignancy**  
Fuchs HF, Harnsberger CCR, Broderick RC, Chang DC, Sandler BJ, Jacobsen GR, Bouvet M, Horgan S. Dis Esophagus. Dis Esophagus. 2017 Jan 1;30(1):1-6. doi: 10.1111/dote.12451. [IF 2,702](#)
- 15. Long-term quality of life after surgery for adenocarcinoma of the esophagogastric junction: extended gastrectomy or transthoracic esophagectomy?**  
Fuchs H, Hölscher AH, Leers J, Bludau M, Brinkmann S, Schröder W, Alakus H, Mönig S, Gutschow CA. Gastric Cancer. 2016 Jan;19(1):312-7 [IF 4,404](#)

- 16. Phase II clinical experience and long-term follow-up using the next-generation single-incision platform FMX314.**  
Berducci M\*, **Fuchs HF\***, Omelanczuk P, Broderick RC, Harnsberger CR, Langert J, Nefa J, Jaureguiberry P, Gomez P, Miranda L, Jacobsen GR, Sandler BJ, Horgan S. Surg Endosc. 2015 Jun 27. (\*shared first authorship) **IF 3,54**
- 17. Increasing the Value of Healthcare: Improving Mortality While Reducing Cost in Bariatric Surgery.**  
Broderick RC\*, **Fuchs HF\***, Harnsberger CR, Chang DC, Sandler BJ, Jacobsen GR, Horgan S. Obes Surg. 2015 Dec;25(12):2231-8. (\*shared first authorship) **IF 3,346**
- 18. Patients with psychiatric comorbidity can safely undergo bariatric surgery with equivalent success.**  
**Fuchs HF**, Laughter V, Harnsberger CR, Broderick RC, Berducci M, DuCoin C, Langert J, Sandler BJ, Jacobsen GR, Perry W, Horgan S. Surg Endosc. 2016 Jan;30(1):251-8. **IF 3,54**
- 19. Benefits of Bariatric Surgery Do Not Reach Obese Men**  
**Fuchs HF**, Broderick RC, Harnsberger CR, Chang DC, Sandler BJ, Jacobsen GR, Horgan S. J Laparoendosc Adv Surg Tech A. 2015 Mar;25(3):196-201 **IF 1,297**
- 20. Variation of outcome and charges in operative management for diverticulitis**  
**Fuchs HF**, Broderick RC, Harnsberger CR, Chang DC, Mclemore EC, Ramamoorthy S, Horgan S. Surg Endosc. 2015 Nov;29(11):3090-6 **IF 3,54**
- 21. Effect of Laparoscopic Antireflux Surgery on Esophageal Motility**  
**Fuchs HF**, Gutschow CA, Brinkmann S, Herbold T, Bludau M, Schröder W, Bollschweiler E, Hölscher AH, Leers JM. Dig Surg. 2014 Dec 4;31(4-5):354-358. **IF 2,24**

**Co-authorships:**

- 1. Dickkopf-2 (DKK2) as Context Dependent Factor in Patients with Esophageal Adenocarcinoma. Cancers (Basel).**

Schiffmann LM, Loeser H, Jacob AS, Maus M, **Fuchs H**, Zhao Y, Tharun L, Essakly A, Iannos Damanakis A, Zander T, Büttner R, Schröder W, Bruns C, Quaas A, Gebauer F. 2020 Feb 14;12(2):451. **IF 6,162**

2. **Correction to: 3D vs. 4 K Display System - Influence of "State-of-the-art"-Display Technique On Surgical Performance (IDOSP-Study) in minimally invasive surgery: protocol for a randomized cross-over trial.**  
Wahba R, Datta RR, Hedergott A, Bußhoff J, Bruns T, Kleinert R, Dieplinger G, **Fuchs H**, Gietzelt C, Möller D, Hellmich M, Bruns CJ, Stippel DL. *Trials*. 2020 Mar 12;21(1):257. doi: 10.1186/s13063-020-4173-y. Erratum for: *Trials*. 2019 May 28;20(1):299. **IF 2,067**
3. **Elevated X-linked inhibitor of apoptosis protein (XIAP) expression uncovers detrimental prognosis in subgroups of neoadjuvant treated and T-cell rich esophageal adenocarcinoma.** Schiffmann LM, Göbel H, Löser H, Schorn F, Werthenbach JP, **Fuchs HF**, Plum PS, Bludau M, Zander T, Schröder W, Bruns CJ, Kashkar H, Quaas A, Gebauer F. *BMC Cancer*. 2019 May 31;19(1):531. **IF 3,288**
4. **3D vs. 4K Display System - Influence of "State-of-the-art"-Display Technique On Surgical Performance (IDOSP-Study) in minimally invasive surgery: protocol for a randomized cross-over trial**  
Wahba R, Datta RR, Hedergott A, Bußhoff J, Bruns T, Kleinert R, Dieplinger G, **Fuchs H**, Gietzelt C, Möller D, Hellmich M, Bruns CJ, Stippel DL. *Trials*. 2019 May 28;20(1):299. **IF 2,067**
1. **Update on Transumbilical Single-Incision Laparoscopic Assisted Appendectomy (TULAA) - Which Children Benefit and What are the Complications?**  
Dübbers M, Nikolaou E, **Fuchs H**, Fischer J, Alakus H, Leers J, Bruns C, Cernaianu G. *Klin Padiatr*. 2018 Jul;230(4):194-199. **IF 0,698**
2. **Preventing Rescue Surgeries by Endoscopic Clipping: A Valuable Resource in the Surgeon's Toolbox.**  
Liu S, Jacobsen GR, Sandler BJ, Savides TJ, Fehmi S, **Fuchs H**, Luo RB, Delong JC, Coker AM, Houghton C, Horgan S. *J Laparoendosc Adv Surg Tech A*. 2018 Apr;28(4):439-444. **IF 1,297**
3. **Endoscopic Treatment of Transesophageal Echocardiography-Induced Esophageal Perforation.**  
Herbold T, Chon SH, Grimminger P, Maus MKH, Schmidt H, **Fuchs H**, Brinkmann S, Bludau M, Gutschow C, Schröder W, Hölscher AH, Leers JM. *J Laparoendosc Adv Surg Tech A*. 2018 Apr;28(4):422-428. **IF 1,297**
4. **Foregut symptoms, somatoform tendencies, and the selection of patients for antireflux surgery.**  
Fuchs KH, Musial F, Ulbricht F, Breithaupt W, Reinisch A, Babic B, **Fuchs H**, Varga G. *Dis Esophagus*. 2017 Jul 1;30(7):1-10. **IF 2,146**
5. **Transanal total mesorectal excision (taTME) for rectal cancer: a training pathway.**



McLemore EC, Harnsberger CR, Broderick RC, Leland H, Sylla P, Coker AM, **Fuchs HF**, Jacobsen GR, Sandler B, Attaluri V, Tsay AT, Wexner SD, Talamini MA, Horgan S. Surg Endosc. 2015 Dec 10. [Epub ahead of print] **IF 3,54**

6. **Foramen of Winslow Hernia: a Minimally Invasive Approach**  
Harnsberger C, McLemore E, Broderick C, **Fuchs HF**, Yu P, Berducci M, Beck C, Almadani M, Jacobsen J, Horgan S. Surg Endosc. 2015 Aug;29(8):2385-8 **IF 3,54**
7. **Laparoscopic Cholecystectomy Using a Novel Single-Incision Surgical Platform Through A Standard 15mm Trocar: Initial Experience and Technical Details.**  
Broderick R, Omelanczuk P, Harnsberger C, **Fuchs H**, Berducci M, Nefa J, Nicolai J, Almadani M, Jacobsen G, Sandler B, Horgan S. Surg Endosc. 2015 May;29(5):1250-6 **IF 3,54**
8. **The Price of Decreased Mortality In The Operative Management of Diverticulitis.**  
Broderick R, **Fuchs H**, Harnsberger C, Chang DC, McLemore E, Ramamoorthy S, Horgan S. Surg Endosc. 2015 May;29(5):1185-91 **IF 3,54**
9. **Alcohol Metabolism is not Affected by Sleeve Gastrectomy.**  
Gallo A, Nijhawan S, Berducci M, Nino D, Harnsberger CR, Broderick RC, Lazar S, Echon C, **Fuchs H**, Alvarez-Divo F, Sandler BJ, Jacobsen GR, Horgan S. Surg Endosc. 2015 May;29(5):1088-93 **IF 3,54**
10. **Magnetic lower esophageal sphincter augmentation device removal**  
Harnsberger CR, Broderick RC, **Fuchs HF**, Berducci M, Beck C, Gallo A, Jacobsen GR, Sandler BJ, Horgan S. Surg Endosc. 2015 Apr;29(4):984-6 **IF 3,54**
11. **Reoperation rates after laparoscopic fundoplication**  
Zhou T, Harnsberger C, Broderick R, **Fuchs H**, Talamini M, Jacobsen G, Horgan S, Chang D, Sandler B.. Surg Endosc. 2015 Mar;29(3):510-4 **IF 3,54**
12. **Management of upper intestinal leaks using an endoscopic vacuum-assisted closure system (E-VAC).** Bludau M, Hölscher AH, Herbold T, Leers JM, Gutschow C, **Fuchs H**, Schröder W. Surg Endosc. 2014 Mar;28(3):896-901 **IF 3,54**
13. **Health-related quality of life after Ivor Lewis esophagectomy.**  
Gutschow CA, Hölscher AH, Leers J, **Fuchs H**, Bludau M, Prenzel KL, Bollschweiler E, Schröder W. Langenbecks Arch Surg. 2012 Jun 4 **IF 2,19**
14. **Effect of aging on esophageal motility in patients with and without GERD.**  
Gutschow CA, Leers JM, Schröder W, Prenzel KL, **Fuchs H**, Bollschweiler E, Bludau M, Hölscher AH. Ger Med Sci. 2011;9:Doc22 **IF 1,32**

## Reviews:

**1. Comparison of bariatric restrictive operations: laparoscopic sleeve gastrectomy and laparoscopic gastric greater curvature plication**

Broderick RC, **Fuchs HF**, Harnsberger CR, Sandler BJ, Jacobsen GR. Surg Technol Int. 2014 Nov;25:82-9. ***IF 0***

**2. Therapeutic Decisions in Patients with Operable, Non-Metastatic Oesophageal Cancer**

**Fuchs HF**, Hölscher AH Zentralbl Chir 2014; 139(1): 32-36 DOI: 10.1055/s-0033-1360295 ***IF 0,03***

## Book chapters:

**1. Shackelford's Surgery of the Alimentary Tract 8e (2016)**

Fuchs KH, Babic B, **Fuchs HF**. Chapter: THE ESOPHAGEAL SPHINCTERS IN HEALTH AND DISEASE (in press)

**2. Natural Orifice Surgery in Training and Clinical Practice (2014)**

Harnsberger C, Broderick R, **Fuchs HF**, Talamini M, Jacobsen G, Sandler B, Horgan S. book chapter: The UCSD NOTES Experience ISBN 876-7-676-7697

**3. Survival-Guide Chirurgie (2012)**

**Fuchs H**, Schröder W, Krones C; Buchkapitel, ISBN 978-3-642-25178-8, Springer Verlag