Curriculum Vitae

Name in Full	Hans-Ulrich LAASCH
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Educational Background

Following his undergraduate training and his doctorate at the Albert-Einstein University in Ulm, Germany, Hans-Ulrich initially trained as a general physician in the UK, passing the board exam for general medicine (MRCP) in 1995, before starting a career as a radiologist. Following qualification in Clinical Radiology (FRCR), he undertook a 4-year fellowship in GI-intervention and interventional endoscopy and was appointed as Head of Interventional Radiology at The Christie in 2005.

Professional Career

Over the next 15 years he developed the service into an internationally recognized reference center for cancer procedures with close ties to leading manufacturers in the medical device industry. In 2019 upper GI endoscopy was fully integrated into the radiology department, facilitating a regional referral service for combined upper GI procedures.

As one of the national experts in GI stents, Hans-Ulrich is heavily involved in teaching and education through several international societies and has contributed to a number of national guidelines.

Hans-Ulrich holds a visiting professorship in the Department of Natural Sciences at the University of Chester and leads research projects into medical device failure with the Department of Materials at Manchester University in Manchester and the University of Chemistry and Technology in Prague.

To support this research Hans-Ulrich co-founded a not-for-profit company, Minnova Medical Foundation CIC (www.minnova.uk), which consists of a team of medical and industry experts, who fundraise through consulting and educational activities.

Research Field

Factors determining the corrosion and failure of gastro-intestinal stents.

EEG-guidance for procedural sedation

Failure mechanisms of percutaneous drainage tubes

Publications

Books and Chapters

- Laasch HU., Al-Islam S., Uberoi R. Percutaneous Intervention for Refractory Benign Biliary Strictures. In: Lee D. (eds) Advanced ERCP for Complicated and Refractory Biliary and Pancreatic Diseases. Springer, Singapore, 2020
- Laasch H-U. Current designs of self-expanding stents. In: Kozarek R, Baron T, Song HY (eds.) *Self-expandable stents in the GI-tract*. Springer Verlag, Arlington, 2012
- Martin DF, Laasch H-U. Radiological intervention in the stomach and duodenum. In: Freeman AH, Sala E. (eds). *Interventional radiology*. Springer Verlag, Heidelberg, 2008.
- Laasch H-U, Martin DF. Self-expanding stents for the palliation of malignant gastro-duodenal obstruction. In: Tersip T. (ed). *Stenting in the gastro-intestinal tract*. Olga Cermakova, Hradec Kralove, 2005
- Laasch H-U, Lee SH, Moss JG, Roobottom C, Kinsman R, Walton PKH. ROST – Registry of Oesophageal Stenting, First Report 2004. Dendrite Clinical Systems, Henley-on-Thames, UK, 2004 ISBN: 1-903968-11-9

National Guidelines

- Delay in Transit: A review of the quality of care provided to patients aged over 16 years with a diagnosis of acute bowel obstruction. National Confidential Enquiry into Patient Outcome and Death (2020) www.ncepod.org.uk/2020abo/ABO_summary.pdf
- Sami SS, Haboubi HN, Ang Y, et al. UK Guidelines on Oesophageal Dilatation in Clinical Practice. *Gut* 2018;67(6):1000-1023 http://gut.bmj.com/content/early/2018/02/23/gutjnl-2017-315414.full

Invited reviews

- Jackson CE, Johnson LSJ, Williams DA , Laasch HU, Edwards DW, Harvey AG. A Viewpoint on Material and Design Considerations for Oesophageal Stents with Extended Lifetime. *J of Materials Science* 2022;**57:**3–26
- Kaltsidis H, Mansoor W, Park JH, Song HY, Laasch H-U. Oesophageal stenting: Status quo and future challenges. Br J Radiol 2018;91:20170935
- Black SJ, Edwards DW, Smith GC, Laasch H-U. Gastrointestinal Stents: Materials and Designs. Dig Dis Interv 2018;02(01):3-10
- Najran PS, Shepherd D, Li AJK, Laasch H-U. Minimally invasive treatment strategies for tracheo-esophageal fistulae. Dig Dis Interv 2018;02(01):11-17
- Sami SS, Haboubi HN, Ang Y, et al. UK Guidelines on Oesophageal Dilatation in Clinical Practice. Gut 2018;67(6):1000-1023
- Laasch H-U, Edwards DW, Song HY. Enteral stent construction: Current principles. Gastrointest Interv 2016;5(2):85-90
- Edwards DW, Laasch H-U. Esophageal stents: Beyond the simple stricture. Gastrointest Interv 2015;4(2):76-82
- Gwon DI, Laasch H-U. Radiological Approach to Benign Biliary Strictures. Gastrointest Interv 2015;4(1):9-14

Peer-reviewed Publications

- Oh A, Karim N, Pitt A, Hodgetts S, Edwards DW, Mullan D, Laasch HU. EEG Bispectral Index Sensor-guidance improves accuracy and safety of procedural sedation. In press: *Clin Radiol*
- Daga K, Milward GD, Pintos dos Santos D, Edwards DW, Laasch HU. Standardised comparison of chest and percutaneous drainage catheters: Size is not everything. In press: *Sci Rep*
- Oh A, Vasileuskaya S, Kibriya N, Puro P, Mullan D, Laasch H. Safety of EEG BIS-guided nurse-adminis-tered procedural sedation during gastro-intestinal intervention. *Int J Gastrointest Interv* 2024;13:8-10.
- Celik E, Goertz L, Henze J, Schütz M, Mink B, Brinkmann S, Laasch HU, et al. Evaluation of viscosities of typical drainage fluids to promote more evidence-based catheter size selection. *Sci Rep*. 2023;13(1):22178.
- Fojt J, Alferi D, Hybasek V, Edwards DW, Laasch HU. Corrosion failure of nitinol stents in the upper gastrointestinal tract: The role of surface finishes and the importance of an appropriate test environment. *Materials Chemistry and Physics* 2023;309:128390.
- Alferi D, Fojt J, Kristianova E, Edwards D, Laasch H. Influence of the manufacturing process on the corrosion and mechanical behavior of esophageal stents. *Metals* 2023;13(9):1542.
- Borg P, Ng HH, Mullan D, Aziz O, Laasch HU. Ultrasound-guided day-case wide-bore percutaneous mucin aspiration in advanced pseudomyxoma peritonei. Clin Radiol. 2023 Feb 16:S0009-9260(23)00054-5.
- Daga K, Berry T, Mullan D, Laasch HU. Transformation of indwelling peritoneal catheter placement for malignant ascites from an inpatient to a day-case service: analysis of patient risk and financial implication. Clin Radiol. 2022 Sep;77(9):689-693. doi: 10.1016/j.crad.2022.05.027
- Campana LG, Fish R, Dickinson OT, McNamara M, O'Dwyer ST, Laasch HU. Distal migration of a partially covered duodenal stent requiring emergency surgical extraction. Int J Gastrointest Interv 2022; 11(2): 89-93
- Makris GC, Macdonald AC, Allouni K, et al. Clinical Performance Status and Technical Factors Affecting Outcomes from Percutaneous Transhepatic Biliary Interventions; A Multicentre, Prospective, Observational Cohort Study. Cardiovasc Intervent Radiol. 2021 Oct;44(10):1625-1632.
- Thambuchetty N, Borg P, Dickinson O, Selvasekar CR, Laasch HU. Stoma stenosis – surgery is not always the answer. Brit Int Doctors Ass 2021;27(3):22-23
- Wong JJ, Ganti S, Mullan D, Edwards D, Laasch HU. Infra-colic gastrostomy: Technique and anatomical considerations. Int J Gastrointest Interv 2021;10:12-16
- Bi Y, Mullan D, Laasch HU. Retrograde Radiological Gastrostomy Technique and Retrograde Stent Placement in a Completely Occluded Cervical Esophagus. Cureus 2020: e. doi:10.7759/cureus
- Laasch HU, Milward GD, Edwards DE. "Radial force" of colonic stents: A parameter without consistency, definition or standard. Int J Gastrointest Interv 2020;9:1-7
- Thampy S, Mullan D, Najran P, Laasch HU. Safety and Efficacy of Venting Gastrostomy in Malignant Bowel Obstruction: A Systematic Review. J Palliat Care. 2020;35(2):93-102