

Dr. Frauke Petersen  
Soltau Str.39  
21335 Lüneburg  
Germany  
09.07.2025

# CV for Ultrasound Purposes

## My biographical notes

### Born 8 March 1959 in Melle

Career	Degree	Date	Comment
Gymnasium Melle	Abitur	1977	1,0
University of Göttingen,	State examination	1977-1984	Human Medicine "Good"
Medical Association of Lower Saxony	Approbation	1984	
Klinikum Lüneburg Medical Center	Specialist	1984-1992	Internal Medicine
University of Göttingen	Doctor of Medicine	1988	Radiation-induced chromosomal aberrations "very good"
Medical Association of Lower Saxony	Expertise	1993	Specialist in X-ray in internal medicine
Medical Association of Lower Saxony	Expertise	1993	Specialist in emergency medicine

German, English, French currently spoken.

Since 1992 daily activity in the sonography department of the Lüneburg Clinic,  
Until 6/2025, retired.

During this time, significant expertise was developed in diagnostic imaging and advanced sonographic techniques. A strong emphasis was placed on refining methods for evaluating internal conditions and improving diagnostic accuracy, particularly in complex or critical cases. This foundation of skill and knowledge paved the way for further innovations in sonography and interdisciplinary applications.

Senior Physician of the Clinic for General Internal Medicine and Gastroenterology,  
Head of Sono-Center

Introduction of contrast medium sonography at the Lüneburg Hospital,  
Expansion of interventional sonography. Establishment of a sonography center and interdisciplinary failure and allocation management  
Active demonstration of findings in interdisciplinary case conferences, "case of the week".

Focus on sonological training for young physicians from medicine and radiology with a sonography training curriculum

These efforts significantly bolstered the integration of sonographic techniques into routine clinical practice. The establishment of a dedicated sonography centre became a referral point for both routine and complex cases, fostering collaboration among departments. The emphasis on training

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ensured the cultivation of a new generation of specialists proficient in sonographic techniques, here and abroad, ready to contribute to the field with confidence and expertise.

Personal annual average sonography activity over 3000 examinations per year, of which approx. 700 contrast medium sonography, approx. 200 interventions per year.

#### Further experience and professional memberships

**DEGUM Level II trainer, (the Lüneburg ultrasound department is a DEGUM-recertified training center).**

2007-present **DEGUM** (German Ultrasound Society), since 2016 elected member of the section board for internal medicine for 6 years, there certifications level 1, networking level 2 2025 coopted EXB Member of the EFSUMB for 2 years.

Since 2016-present **IBUS**, former board member of EDU Com, honorary member 2025, Central reader for Alimientiv.

Lüneburg department is an IBUS- certified training center with more than 50 international trainees since the start.

2019-present **ECCO**

2010 to the present elected member of the **Medical Associations of Lower Saxony**,  
Chairwoman of the Hospital Committee  
Delegate of the German Medical Association elected from 2010 to the present

1984-present **Marburger Bund**, district chairwoman until 2021, 2021-present Federal Hospital Committee, 2024 honored with "Goldener Reflexhammer"

1986-present **BDI** (Internal Medicine)  
1988-present **DDG** German Diabetes Society e.V.

2005 Completion of the Medical Quality Management Level III course  
2005 DIN-EN-ISO system auditor  
2013 DEGUM Ultrasound Didactics completed.

GCP Certificate 2023 Renewed

#### **Actively participated in DEGUM courses as a speaker/tutor**

29 DEGUM courses since 2015 mostly basic courses Siloah Hospital Hannover, in Hamburg 3 x basic course ,2 courses in Munich,3 advanced courses in Lüneburg,1 module bowel in Lüneburg

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### **Other courses**

Quality Circle General Practitioners Lüneburg

CEUS-ASHI Quality Circle Hamburg

ASHI Hamburg Case Demonstrations

EFSUMB Gastrointestinal Course Berlin

DEGEA Course for Medical Assistance Potsdam

Participation as a tutor in Usedom's DEGUM Ultrasound Week

DGVS Lectures

Speaker / Workshops at Hamburg Liver Days

National Workshops for Intestinal Sonography, including in Lüneburg, Hamburg UKE, Kiel, Hanover

International workshops for IBUS in Vienna, Calgary, Milan, Athens, Amsterdam(online),  
Lisbon(online), Tel Aviv, Zadar, Chicago, London, Amsterdam, Antwerp, Leuven, Ljubljana, Prague

Advanced Course ECCO Tutor

**Other activities** Occasional review assignments from UIM

### **Literature**

1: Dietrich CF, Petersen F, Höpfner M, Nürnberg D, Strobel D, Vogelpohl J,  
Jenssen C. Ultrasound for detection of complications and evaluation of treatment  
response in inflammatory bowel disease (IBD)? Med Ultrason. 2025 Apr 8. doi:  
10.11152/mu-4493. Epub ahead of print. PMID: 40207395.

2: Jenssen C, Petersen F, Höpfner M, Nürnberg D, Strobel D, Vogelpohl J,  
Dietrich CF. Why and when are activity scores and advanced ultrasound techniques  
needed in inflammatory bowel disease (IBD)? Med Ultrason. 2025 Mar 20. doi:  
10.11152/mu-4500. Epub ahead of print. PMID: 40146980.

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3: Petersen F, Höpfner MH, Jenssen C, Nürnberg D, Strobel D, Vogelpohl J, Dietrich CF. Why is ultrasound needed in inflammatory bowel disease? Med Ultrason. 2025 Feb 26. doi: 10.11152/mu-4492. Epub ahead of print. PMID: 40030691.

4: Novak KL, Nylund K, Maaser C, Petersen F, Kucharzik T, Lu C, Allocca M, Maconi G, de Voogd F, Christensen B, Vaughan R, Palmela C, Carter D, Wilkens R. Expert Consensus on Optimal Acquisition and Development of the International Bowel Ultrasound Segmental Activity Score [IBUS-SAS]: A Reliability and Inter-rater Variability Study on Intestinal Ultrasonography in Crohn's Disease. J Crohns Colitis. 2021 Apr 6;15(4):609-616. doi: 10.1093/ecco-jcc/jjaa216. PMID: 33098642; PMCID: PMC8023841.

5: Maaser C, Petersen F, Helwig U, Fischer I, Roessler A, Rath S, Lang D, Kucharzik T; German IBD Study Group and the TRUST&UC study group; German IBD Study Group and TRUST&UC study group. Intestinal ultrasound for monitoring therapeutic response in patients with ulcerative colitis: results from the TRUST&UC study. Gut. 2020 Sep;69(9):1629-1636. doi: 10.1136/gutjnl-2019-319451. Epub 2019 Dec 20. PMID: 31862811; PMCID: PMC7456734.

6: Kunze G, Seitz K, Mauch M, Petersen F. Clinical Ultrasound in Inflammatory Bowel Disease. Ultraschall Med. 2019 Apr;40(2):132-162. English. doi: 10.1055/a-0869-8799. Epub 2019 Apr 16. PMID: 30991429.

7: Kannengiesser K, Mahlke R, Petersen F, Peters A, Kucharzik T, Maaser C. Instant evaluation of contrast enhanced endoscopic ultrasound helps to differentiate various solid pancreatic lesions in daily routine. World J Clin Cases. 2019 Jan 6;7(1):19-27. doi: 10.12998/wjcc.v7.i1.19. PMID: 30637249; PMCID: PMC6327129.

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8: Kucharzik T, Kannengiesser K, Petersen F. The use of ultrasound in inflammatory bowel disease. *Ann Gastroenterol.* 2017;30(2):135-144. doi: 10.20524/aog.2016.0105. Epub 2016 Nov 15. PMID: 28243033; PMCID: PMC5320025.

9: Novak K, Tanyingoh D, Petersen F, Kucharzik T, Panaccione R, Ghosh S, Kaplan GG, Wilson A, Kannengiesser K, Maaser C. Clinic-based Point of Care Transabdominal Ultrasound for Monitoring Crohn's Disease: Impact on Clinical Decision Making. *J Crohns Colitis.* 2015 Sep;9(9):795-801. doi: 10.1093/ecco-jcc/jjv105. Epub 2015 Jun 16. PMID: 26079723.

10: Kannengiesser K, Mahlke R, Petersen F, Peters A, Ross M, Kucharzik T, Maaser C. Contrast-enhanced harmonic endoscopic ultrasound is able to discriminate benign submucosal lesions from gastrointestinal stromal tumors. *Scand J Gastroenterol.* 2012 Dec;47(12):1515-20. doi: 10.3109/00365521.2012.729082. Epub 2012 Nov 13. PMID: 23148660.

11: Lankisch PG, Petersen F, Brinkmann G. An enormous ventral (epigastric) hernia as a cause of acute pancreatitis: Pfeffer's closed duodenal loop model in the animal, first seen in a human. *Gastroenterology.* 2003 Mar;124(3):865-6. doi: 10.1053/gast.2003.50129. PMID: 12612934.