

Claus Petersen

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Date of Birth July 14, 1954

Current position
since 1992 Senior staff surgeon, Dep of Pediatr Surgery, Hannover Medical School

Undergraduate and postgraduate training and activities

1973 - 1980 University of Kiel, Lübeck and Hannover
1981 – 1982 Resident in general surgery (Hannover)
1982 – 1983 Resident in gynaecology and obstetrics (Bad Oldesloe)
1983 Tropical medicine (Heidelberg/Tübingen/Berlin)
1984 Medical Doctorate, Dep. of pediatrics, Hannover Medical School
1984 – 1986 Voluntary service in Bénin, Westafrica
1986 – 1987 Resident in pediatric surgery (Hannover)
1987 – 1990 Resident in general surgery (Reutlingen)
1991 – 1992 Fellow in pediatric surgery (Hannover)
1992 Board certification (General surgery)
1996 Board certification (Pediatric surgery)
1998 Venia legend (Pediatric surgery)
2001 Associate Professorship (Pediatric surgery)

Awards

1997 Richard Drachter Prize for research of the German Pediatr Surg Assoc
2001 Hans Salzer Prize for research of the Austrian Pediatr Surg Assoc
2008 Edgar Ungeheuer Prize of the German Surg Assoc
2008 3rd prize of the first WeBSurg Award/IRCAD, Strasbourg, France
(Coauthor to K. Khelif)
2008 - 2017 13 awards to members of the Biliary Atresia Research Group

Scientific activities

since 1997 Founder and head of the Biliary Atresia Research Group, Hannover
1999 Biliary atresia – New clues from etiology to therapy. Innovation by cooperation (Hannover, organizer and chair)
since 2000 Ad hoc reviewing on behalf of 36 medical journals (e. g. Gastroenterology, Hepatology, Pediatrics, The Journal of Hepatology, etc.)
since 2002 Invited lecturer and visiting professor at 16 international universities
since 2006 German coordinator of the project “Pediatric surgery for the Yemen - teaching to train”
2006 European biliary atresia registries. What comes next? (Hannover, organizer and chair)
2013 Pediatric surgery in Yemen (Sana´a, organizer and chair)
2014 Biliary atresia and related diseases. Let´ s stick together (Berlin, organizer and chair)
2018 Delegation member of the Federal Ministry of Education and Research visiting the German Science Day in Iran

Since 2017 Speaker for biliary atresia registries of the ERN-project rare-liver

Websites

2012 www.bard-online.com
2017 www.chestwall.org

External funding and research grants: : ~1.240.000,- €

Selected Publications (12 out of 51 papers about biliary atresia, cum. IF: 156)

Petersen C, Grasshoff S, Luciano L. Diverse morphology of biliary atresia in an animal model. **J Hepatol** 28 (1998): 603 - 607

Petersen C. Pathogenesis and treatment opportunities for biliary atresia. **Clin Liver Dis** 10 (2006):73-88

J. Kübler, Czech-Schmidt G, Leonhardt J, Ure BM, **Petersen C**. Type-I but not type-II interferon receptor knockout mice are susceptible to biliary atresia. **Pediatr Res** 59 (2006) 790-426

Petersen C, Harder D, Melter M, Becker T, v. Wasielewski R, Leonhardt J, Ure BM Postoperative high-dose steroids do not improve mid-term survival with native liver in biliary atresia. **Am J Gastroenterol** 103 (2008):712-9

Petersen C, Meier P N, Schneider A, Turowski C, Pfister E D, Manns M P, Ure B M, Wedemeyer J. ERCP prior to explorative laparotomy avoids unnecessary surgery in patients suspected for biliary atresia. **J Hepatol** 51 (2009): 1055-60

Leonhardt J, Kuebler J F, Turowski C, Tschernig T, Geffers R, **Petersen C**. Susceptibility to Experimental Biliary Atresia is Linked to Different Hepatic Gene Expression Profiles in Various Mouse Strains. **Hepatol Res** 40 (2009): 196-203

Ure BM, Kuebler JF, Schukfeh N, Engelmann C, Dingemann J, **Petersen C** Survival with the native liver after laparoscopic versus conventional Kasai portoenterostomy in infants with biliary atresia: a prospective trial. **Ann Surg** 253 (2011): 826-30.

Petersen C. Biliary atresia: the animal models. **Sem Pediatr Surg** 21 (2012):185-91

Petersen C, Davenport M. The Aetiology of Biliary Atresia : What is actually known? **Orphanet J Rare Dis** 29 (2013):128 (1-13)

Klemann C, Schröder A, Dreier A, Moehn N, Winterberg T, Dippel S, Gueler F, Jörns A, Leonhardt J, Lochner M, Haas J, Prinz I, **Petersen C**, Kuebler J. Neutralization of Interleukin-17 produced by gamma delta T cell constrains inflammation in experimental biliary atresia. **Gastroenterology** 2016;150: 229-241

Verkade HJ, Bezerra JA, Davenport M, Schreiber RA, Mieli-Vergani G, Hulscher JB, Sokol RJ, Kelly DA, Ure B, Whittington PF, Samyn M, **Petersen C**. Biliary atresia and other cholestatic childhood diseases: advances and future challenges. **J Hepatol** 2016; 65:631-42

Petersen C. Biliary atresia – unity in diversity. **Int J Pediatr Surg** 2017; 33:1255-1261