

Curriculum Vitae

Personal
information

Ludger Tueshaus

Work
experience

WORK EXPERIENCE

Senior Physician/Consultant at the Department of Pediatric Surgery

Universitätsklinikum Schleswig-Holstein [30/11/2012 – Current]

Address: Ratzeburger Allee 160, 23538 Lübeck (Germany)

Website: www.uksh.de

Name of unit or department: Department of Pediatric Surgery - **Business or sector:** Human health and social work acti

Senior Physician/Consultant at the Department of Pediatric Surgery, University of Lübeck, Germany. Board certified in P Surgery and in Pediatrics.

Field of work: newborn surgery of congenital malformations, abdominal and thoracic surgery, pediatric traumatology (incl. burn care and urology in childhood incl. endoscopy and minimally invasive surgery

research, academic teaching and training activities conc. biomedical engineering, development of medical devices

Resident Pediatric Surgery, Resident Pediatrics

Universitätsklinikum Schleswig-Holstein [14/06/2001 – 29/11/2012]

City: Lübeck

Country: Germany

Residency Pediatrics:

neonatal and pediatric intensive care medicine, gastroenterology, general pediatrics, emergency medicine

Residency Pediatric Surgery:

newborn surgery of congenital malformations, abdominal and thoracic surgery, pediatric traumatology (incl. fractures), b urology in childhood incl. endoscopy and minimally invasive surgery, emergency medicine

Education
and
training

EDUCATION AND TRAINING

“Hochschulreife”/“Abitur”

Friedrich Paulsen Schule [1983 – 1992]

Address: 25899 Niebüll (Germany)

Level in EQF: EQF level 4

“Ärztliche Prüfung”/“Staatsexamen”

Universität zu Lübeck [1992 – 2001]

Address: Ratzeburger Allee 160, 23562 Lübeck

Website: www.uni-luebeck.de

Field(s) of study: Health and welfare: *Medicine*

Level in EQF: EQF level 7

„Pädiatrischer Prüfarzt“ (pediatric clinical trial investigator),

University of Mainz [2007 – 2008]

„Prüfarzt nach MPG“ (investigator according to MPG),

BG Klinikum Hamburg [2014 – 2015]

City: Hamburg

Certificate „Kinderorthopädie“ (pediatric orthopedics)

Vereinigung für Kinderorthopädie, VKO [2015 – 2017]

City: Berlin

Doctoral thesis work (Dr. med.)

University of Lübeck [1997 – 2003]

Address: 23562 Lübeck

Field(s) of study: Health and welfare: *Medicine*

Final grade: magna cum laude

Doctoral thesis work (Dr. med.) at the Institute of Molecular Medicine at the University of Lübeck on "Influence of estrogenic and antiestrogens on invasion and metastasis using the example of MMP-2 and MMP-13 in the RUCA-I tumor model"

Additional
information

Publications

PUBLICATIONS

Medizinprodukte für Kinder- und Jugendliche: Ein „Niemandland“ (Pediatric Medical Devices: A "no man's land")

[2018]

Optical coherence tomography provides an optical biopsy of burn wounds in children - a pilot study

[2018]

Endoscopy and Laparoscopy in Disorders of Sex Development

[2018]

Pediatric medical devices and surgical instruments in Germany: a status report

[2018]

Presurgical practice of supracondylar distraction osteotomy of cubitus varus deformity on 3D printed humerus

[2019]

Infants Younger Than 90 Days Admitted for Late-Onset Sepsis Display a Reduced Abundance of T Cells

[2021]

Detection of Traumatic and Postoperative Nerve Lesions following Upper Extremity Fractures in Cohort Using MR Neurography

[2022]

Pilot Study and Preliminary Results of Biodegradable Intramedullary Nailing of Forearm Fractures in Children

[2022]

Virtual Reality für Schüler:innen: Ein «Beipackzettel» für die Durchführung immersiver Lernszenarien im schulischen Kontext

[2022]

Epidemiology and injury morphology of traumatic hip dislocations in children and adolescents in a multi-centre study

[2023]

Projects **Principal Investigator of AG "Pediatric Medical Devices and Surgical Instruments"**

University of Lübeck [2014 – Current]

City: Lübeck

Country: Germany

Website: www.pedmeddev.org

In 2015, the AG “Pediatric Medical Devices and Surgical Instruments” was founded at the Department of Pediatric Surgery of Lübeck, Germany as an independent research group by Dr. Ludger Tüshaus. Since 2016 Dr. Ludger Tüshaus is the founder, main organizer and part of the scientific chair of the biennial series of congresses “Pediatric Medical Devices”. For the first time in Europe, the congress series was established on the subject of Pediatric Medical Devices. Since 2018, an analysis regarding the actual situation of children and adolescents with adequate medical devices was carried out within the framework of a project called “PedMedDev”. The current situation for pediatric medical devices (clinical innovation, legal requirements, orphan devices) in Europe is investigated and a platform/hub was set up (www.pedmeddev.org). Besides that the research team focuses scientifically on the development and evaluation of intelligent osteosyntheses, rapidly in pediatrics and pediatric surgery, AI/Deep Learning, optical coherence tomography and virtual and augmented reality.

Memberships **NETWORKS AND MEMBERSHIPS**

Deutsche Gesellschaft für Biomedizinische Technik (German Society for Biomedical Engineering)

AWMF (Arbeitsgemeinschaft der Wissenschaftlichen Medizinischen Fachgesellschaften e. V., The Association of the Scientific Medical Societies in Germany) Ad Hoc Commission "Evaluation of Medical Devices".

Deutsche Gesellschaft für Kinderchirurgie (DGKCH, German Society for Pediatric Surgery)

Dr. Ludger Tüshaus acts as a consultant respectively representative for the Deutsche Gesellschaft für Kinderchirurgie (DGKCH, German Society for Pediatric Surgery) for questions regarding pediatric medical devices.

Deutsche Gesellschaft für Kinder- und Jugendmedizin (DGKJ, German Society of Pediatrics and Adolescent Medicine)

**Other
Relevant
Information**

LANGUAGE SKILLS

Mother tongue(s): **German**

Other language(s):

English

LISTENING C2 READING C2 WRITING C1
SPOKEN PRODUCTION C1 SPOKEN INTERACTION C1

LEVELS: A1 AND A2: BASIC USER; B1 AND B2:
INDEPENDENT USER; C1 AND C2: PROFICIENT USER