

# BORIS Publications

## Konferenzbeitrag

**Team BORIS, Digitale Dienste & Open Science, Universitätsbibliothek**  
im September 2020

# Konferenzbeitrag

Abstract/Paper veröffentlicht in Tagungsband

<http://boris.unibe.ch/91464/>

## Clinical Validation of Ultrasound to CT Registration for Image-Guided Liver Surgery

Lu, Huanxiang; Ribes, Delphine; Peterhans, Matthias; Banz Wüthrich, Vanessa; Tinguely, Pascale Marie-Pia; Kim-Fuchs, Corina; Candinas, Daniel; Weber, Stefan (September 2015). *Clinical Validation of Ultrasound to CT Registration for Image-Guided Liver Surgery*. In: CURAC 2015 Tagungsband : 14. Jahrestagung der Deutschen Gesellschaft für Computer- und Roboterassistierte Chirurgie (pp. 245-246). Bremen: Fraunhofer MEVIS

Official URL: <http://www.mevis-research.de/~klein/CURAC2015/Tagu...>

We present in this paper the clinical validation of a robust and fast ultrasound (US) to computed tomography (CT) registration workflow for open liver surgery. A clinical trial (n=13) in which the surgeon autonomously performed the intraoperative image acquisition and registration workflow was carried out to investigate the accuracy and efficiency. The obtained accuracy was reported to be  $6.2 \pm 1.5$  mm within the recorded 3D ultrasound volumes, thus indicating sufficient accuracy of the subsequent image guidance. Time requirements for the complete registration workflow were reported to be  $120 \pm 30$  seconds, suggesting minimal disruptions to the existing surgical workflow.

**Item Type:** Conference or Workshop Item (Abstract)

# Konferenzbeitrag

## Details Abstract/Paper



### Subtype of Conference Item

- Paper
- Abstract
- Poster
- Speech

# Konferenzbeitrag

## Details Abstract/Paper

★ **Publication Details**

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 No, this version has not been refereed.

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# Konferenzbeitrag

Abstract/Paper veröffentlicht in einer Zeitschrift

<http://boris.unibe.ch/92369/>

## Computational model of a fractal lung to simulate and visualize gas transport for diagnostic purposes and patient education

Benner, Carl-Friedrich; Nyilas, Sylvia Meryl; Anagnostopoulou, Pinelopi; Hasler, David; Latzin, Philipp; Obrist, Dominik (4 October 2016). *Computational model of a fractal lung to simulate and visualize gas transport for diagnostic purposes and patient education*. Biomedizinische Technik / Biomedical engineering, 61(S1), p. 216. De Gruyter

Official URL: <https://www.degruyter.com/view/supplement/s1862278...>

**Item Type:** Conference or Workshop Item (Abstract)

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# Konferenzbeitrag

## Poster

<http://boris.unibe.ch/91171/>

### Der Einfluss von Stigma auf Hilfesuchverhalten in der Allgemeinbevölkerung



Schnyder, N; Michel, C; Schimmelmann, BG; Schultze-Lutter, F (2016). *Der Einfluss von Stigma auf Hilfesuchverhalten in der Allgemeinbevölkerung (Unpublished)*. In: DGPPN. Psyche - Mensch - Gesellschaft. Berlin, Deutschland. 23.11.-26.11.2016.

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Abstract

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# Konferenzbeitrag

## Vortrag/Referat

<http://boris.unibe.ch/89987/>

### Psychosis and clinical high risk states in a Swiss young adult general population sample

Schultze-Lutter, F (2016). *Psychosis and clinical high risk states in a Swiss young adult general population sample (Unpublished)*. In: SWEPP. Lausanne. 08.11.2016.

**Item Type:** Conference or Workshop Item (Speech)

