Dear colleagues,

Hydrocephalus is a progressive condition, imposing - sooner or later - severe restrictions on the patient’s everyday life. Our concern, however, must be to take advantage of modern medical advances for early recognition, sufficient therapy and intensive alleviation of the disease. Recent innovative developments in the field of neuroendoscopy, cerebral shunting and intracranial pressure monitoring represent major steps towards achieving the best possible patient care.

Following the great success of our workshops in 2016, 2017 & 2018, we are delighted to announce the 4th Homburg ICP and Hydrocephalus Workshop.

The intention of this workshop is to recapitulate the general understanding of hydrocephalus and to discuss modern therapeutic approaches. One main focus will be on intracranial pressure monitoring. The long-term application of this technique provides unique, unprecedented insights into the illness and supports important medical decisions. We expect telemetric monitoring to become an integral part of neurosurgery in the future. Our staff and selected experts welcome you here for intense discussions, workshops and live surgery cases.

We are looking forward to the upcoming workshop!

Sincerely yours,

Matthias Hülser

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**Program Overview**

**Wednesday, Nov. 13, 2019**

**09:00** Welcome and Introduction

**10:00** Concept and Management of the Obstruction

**10:30** Pediatric Hydrocephalus - Does Endoscopic Stenting Make a Prioritization? - E. Kneip, Kassel

**10:45** Occlusive Hydrocephalus - Where is the Stenosis? - J. Oertel, Homburg-Saar

**11:00** Modern Imaging Techniques in Hydrocephalus

**11:15** Benefits and Disadvantages of Adjustability of Shunt Systems

**11:30** Valve Adjustment of the Neonates with P-tel

**11:45** Lunch Break

**12:45** Welcome and Introduction

**13:00** Intracranial Pressure - Part 1

**13:15** History of Hydrocephalus

**13:30** To Shunt or Not to Shunt - Complications Versus Benefits

**13:45** Interpretation of ICP

**14:00** Telemetric ICP Measurements with the P-tel Probe - Indication and Clinical Results

**14:15** Long-term ICP Monitoring for the Management of Intracranial Pressure

**14:30** Telemedical ICP-Home Monitoring with the P-tel System - C. Miethke, Potsdam

**14:45** Coffee Break

**15:00** Presentation of the Raumedic Telemetry System - K. Mursch, Bad-Berka

**15:15** The Look Through the Ventricle Catheter - J. Oertel, Homburg-Saar

**15:45** ICP-guided Shunt Valve Adjustments with the Sensor Reservoir - J. Oertel, Homburg-Saar

**16:00** P-tel vs. Sensor - a Comparative Study - M. Hülser, Homburg-Saar

**16:30** End of the scientific part and closing remarks

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**Registration Form**

Please return the registration form until November 3rd, 2019.

Fax: +49 (0) 651 - 126 1269
E-Mail: congress.neurosurgery@uks.eu

I hereby confirm my participation in:

□ Workshop ..........................November 12 - 13, 2019
□ Dinner ..............................November 12, 2019

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**Welcome Address**

Prof. Dr. Joachim Oertel

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