

## CURRICULUM VITAE

**Name:** Andreas Unterberg, M.D., Ph.D.  
Professor of Neurosurgery

**Education:**

74 - 77	School of Medicine, Justus-Liebig-University Gießen, Germany
77 - 81	School of Medicine Ludwig-Maximilians-University Munich, Germany
07/91	Board certification (Neurosurgery), Berlin, Germany

**Academic Degrees:**

10/82	M.D. thesis: (Dr. med.) „The kallikrein-kinin-system as mediator of brain edema“, Summa cum laude, LMU Munich
02/88	Ph.D. thesis: (Habilitation) „Alterations of blood-brain-barrier function and cerebrovascular tone by mediators of secondary brain damage“ LMU Munich, Germany
12/91	Professor of Neurosurgery, Free University of Berlin, Germany
04/03	Chairman and Professor of Neurosurgery University of Heidelberg; Germany

**Postdoctoral Training:**

81 - 82	Research fellow (Deutsche Forschungsgemeinschaft, DFG) Institute for Surgical Research, LMU Munich, Germany
82 - 85	Research fellow Institute for Surgical Research, Klinikum Großhadern, LMU Munich, Germany (Director: Prof. Dr. Dr. h.c. W. Brendel)
85 - 86	Research fellow (Deutsche Forschungsgemeinschaft) Division of Neurological Surgery, Med. Coll. Virginia, Richmond, Va., USA (Directors: Prof. Young, Prof.Marmarou)
87- 90	Resident, Department of Neurosurgery Klinikum Großhadern, LMU Munich, Germany (Director: Prof. Dr. F. Marguth)

**Academic Appointments:**

90 - 91	Assistant Professor, Department of Neurosurgery Universitätsklinikum Rudolf Virchow, FU Berlin, Germany (Director: Prof. Dr. W. R. Lanksch)
91 - 03	Professor of Neurosurgery, Department of Neurosurgery, Virchow-Klinikum, Humboldt-University of Berlin, Germany

95 - 03  
04/03 - to date

Vice Director, Department of Neurosurgery, Charité  
Chairman and Director, Department of Neurosurgery  
University of Heidelberg, Germany

### **Research Interests:**

- Secondary brain damage following trauma and ischemia, brain edema
- Cerebral blood flow, metabolism and MR-spectroscopy following head injury
- Monitoring of intracranial pressure, cerebral perfusion pressure and cerebral oxygenation following severe head injury and subarachnoid hemorrhage
- Decompression craniectomy
- Microdialysis following subarachnoid hemorrhage and head injury
- Intraoperative Imaging (MRI)

### **Clinical Interests:**

- Neurooncology
- Vascular Neurosurgery
- Pituitary Surgery
- Skull base surgery
- Neurotraumatology
- Neurosurgical Intensive Care

### **Awards and Honors:**

- 09/82 Travel Award of the European Society for Microcirculation
- 09/83 E.K.-Frey-Award  
Deutsche Gesellschaft für Internistische Intensivmedizin
- 09/88 Upjohn Award for Neurosurgical Research,  
European Association of Neurosurgical Societies (EANS)
- 01/95 Member of the International Expert Group  
„Guidelines in the Management of Severe Head Injury“
- 07/95 Investigator Award, International Neurotrauma Society

### **Memberships and Activities in Scientific and Professional Societies:**

1. German Society of Neurosurgery,  
Vice President (2006-2008)  
President (2008-2010)  
Past President (2010-2012)
2. Deutsche Interdisziplinäre Vereinigung für Intensiv- und  
Notfallmedizin (DIVI), Member of the Executive Board, Congress President 2014
3. DGNI German Society of Neurocritical Care  
President (2011-2013)
4. Euroacademia Multidisciplinaria Neurotraumatologica
5. European Brain Injury Consortium,  
Member of the Executive Committee
6. International Society for Brain Edema
7. International Neurotrauma Society, Board Member

## **Publications:**

### **Role of bedside microdialysis in the diagnosis of cerebral vasospasm following aneurysmal subarachnoid hemorrhage**

Unterberg, AW; Sakowitz, OW; Sarrafzadeh, AS; et al.  
JOURNAL OF NEUROSURGERY / 94 / 740-749, 2001  
DOI: 10.3171/jns.2001.94.5.0740

### **Edema and brain trauma**

Unterberg, AW; Stover, J; Kress, B; Kiening, K  
NEUROSCIENCE / 129 / 1021-1029, 2004  
DOI: 10.1016/j.neuroscience.2004.06.46

### **Surgical treatment of intracerebral haemorrhage**

Mendelow, A. David, Unterberg, Andreas  
CURRENT OPINION IN CRITICAL CARE / 13 / 169-174, 2007  
DOI: 10.1097/MCC.0b013e3280a9e5c2

### **European Stroke Organization Guidelines for the Management of Intracranial Aneurysms and Subarachnoid Haemorrhage**

Steiner, T; Juvela, S; Unterberg, A; Jung, C; Forsting, M; Rinkel, G  
CEREBROVASCULAR DISEASES / 35 / 93-112, 2013  
DOI: 10.1159/000346087