



# Introduction to Neurosurgery

Johan Marjamaa M.D. Ph.D.

**Wednesday 10.4**

13.00-14.30 Vascular neurosurgery and Trauma

**Tuesday 24.4**

8.15-9.45 Tumors and Pediatric Neurosurgery

10.15-11.45 Spine and Functional Neurosurgery



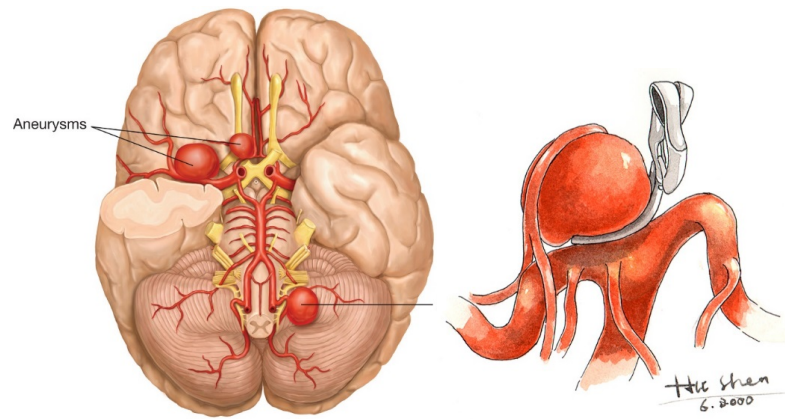
Päivi Koroknay-Pal



Johan Marjamaa

# 6 subspecialties

## 1 Vascular



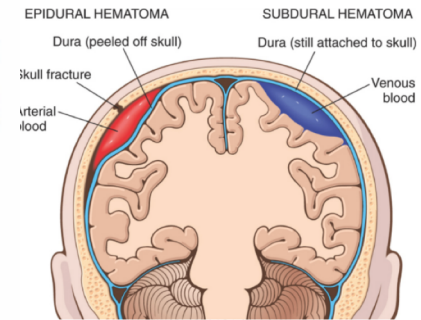
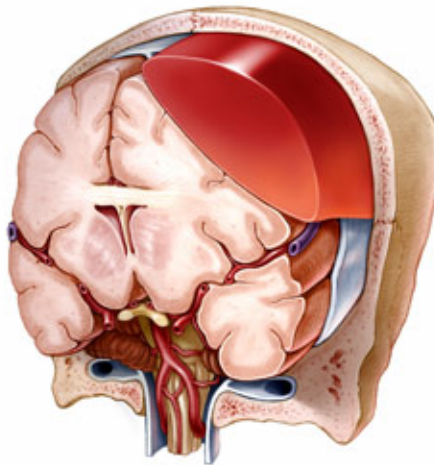
Aneurysma



AV-malformation

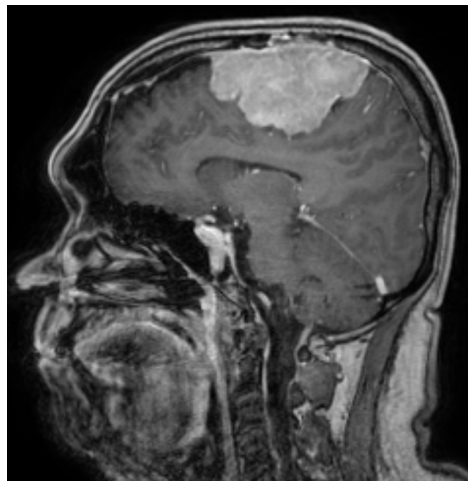
# 6 subspecialties

## 2 Trauma and Neurointensive care

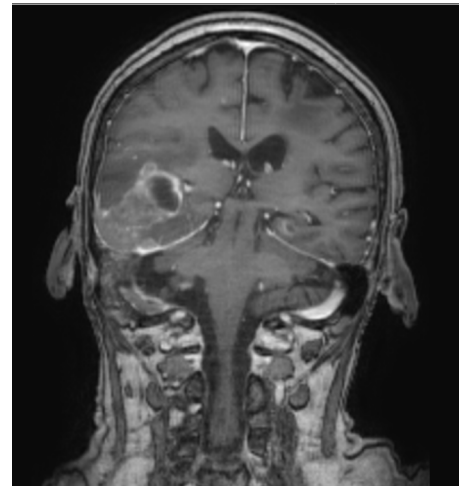


## 6 subspecialties

### 3 Tumors



Meningeoma



Glioma

## 6 subspecialties

### 4 Spine



Degeneration



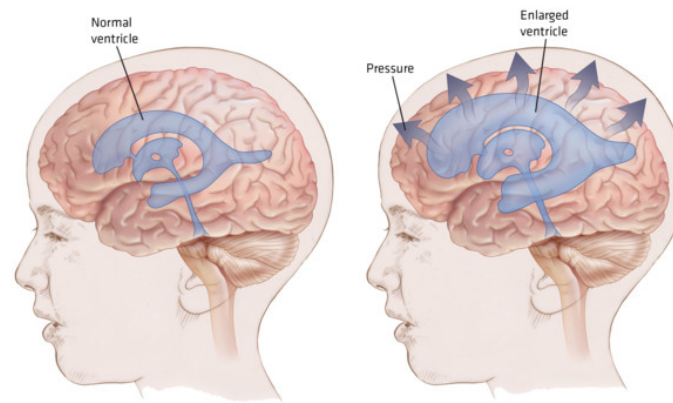
Tumors



(Trauma)

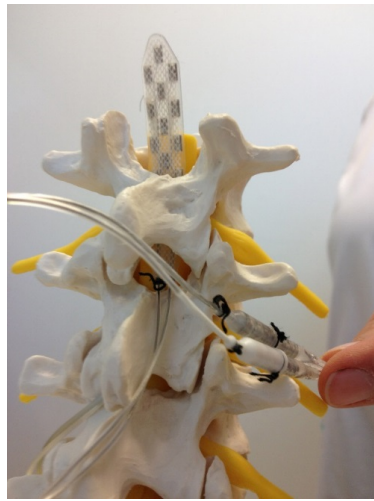
## 6 subspecialties

### 5 Pediatric neurosurgery

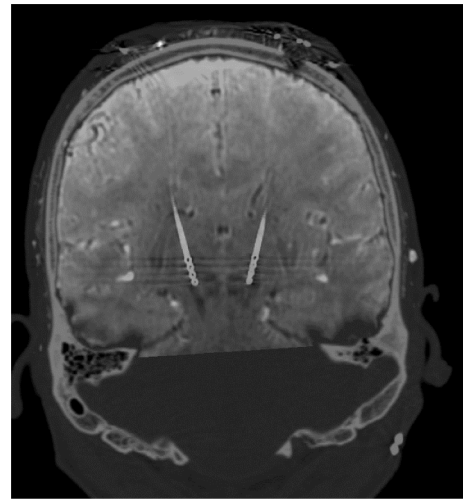


## 6 subspecialties

### 6 Functional neurosurgery / Neuromodulation



Medullastimulaattori



DBS