Harvey Cushing MD
1869-1939
The Great American Neurosurgeon

- B Cleveland
- Undergrad – Yale (1891); med school- Harvard (1895)
- Intern- MGH; surg res- John Hopkins under Halsted
  – met Osler there ("latch key" access to Osler's hand)
- Travel: studied in Bern/Liverpool with Sherrington
- Practice in Baltimore
- Then: Assoc Prof Surg John Hopkins & head CNS surgery
  – Developed operating on CNS pts under anesthesia
- 1911- Surgeon-in-chief Peter Bent Brigham Hospital
- 1912- Prof of Surg HMS
- WWI-served in Europe; rank of Colonel; numerous medals
  – Treated Osler’s fatally wounded son
- Returned to HMS 1919
- Yale 1937-death 1939
- Wrote bio Osler- Pulitzer Prize (1925)
  – His bio written by Fulton
Cushing’s Legacy

- He considerably improved the survival of patients after difficult brain operations for intracranial tumors
- He used X-rays to diagnose brain tumors
- He used electrical stimuli for study of the human sensory cortex
- He played a pivotal role in development of the Bovie electrocautery tool with William T. Bovie, a physicist
- He was the world's leading teacher of neurosurgeons in the first decades of the 20th century
- Co-invented blood pressure measuring devise with Scipione Riva Rocci
- Cushing Disease- hyperadrenalism
- Cushing Reflex- slow heart rate & high ICP
- Cushing Triad with high ICP-irregular respirations, bradycardia, systolic hypertension
- Meningiomas (1938)
- The Pituitary Body and its Disorders (1912)
- In 1988, the United States Postal Service issued a 45 cent postage stamp in his honor, as part of the Great Americans series
Harvey Cushing’s Publications

**Surgery of the Head**
1910

**The Pituitary Body and its Disorders**
1912

**Meningiomas**
1938
The Life of Sir William Osler, 2 vols. (1926) 
by Harvey Cushing 
(Pulitzer Prize Winner)
The Life of Sir William Osler, 2 vols. (1926)
by Harvey Cushing
(Pulitzer Prize Winner)
William Osler, the Man
by Harvey Cushing