



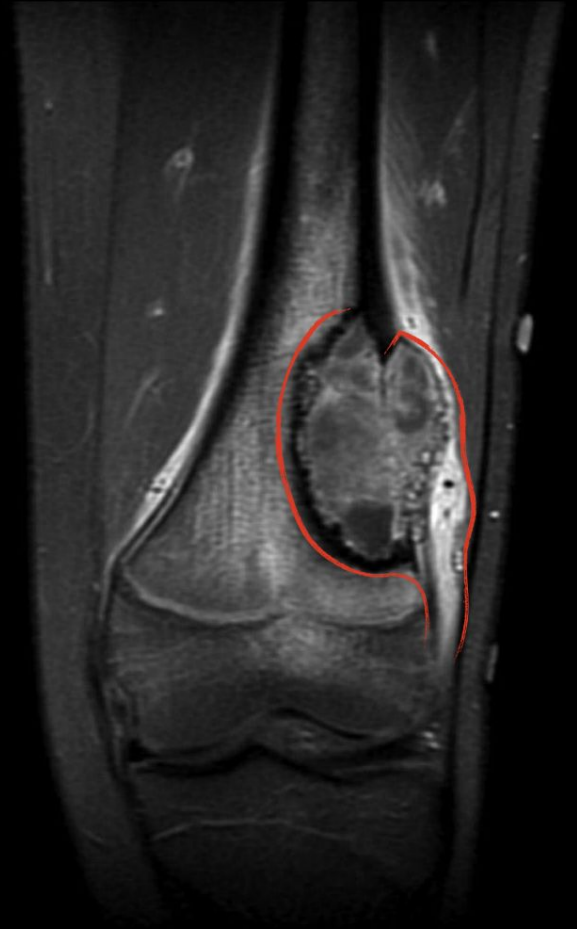
SARCOMAS

rare, interesting, terrible

Yulia Dubinina
Oncologist, hematologist

What is **sarcoma**?

a **malignant tumor** arising from any nonepithelial mesodermal tissue



Thanks to Google

Historical review

Alexis Boyer (1757-1833)	osteosarcoma			
William Hey (1736-1819)	bone and soft tissue sarcomas	operations	ligament	saw
John Abernethy (1764-1831)	----->	8 types of 'sarcomas'		
Astley Cooper (1768-1841)	----->		2 types of bone tumors	
Rudolf Virchow (1821-1902)	----->			6 types of sarcomas

Further investigations

Samuel Weissel
Gross (1837-1889)

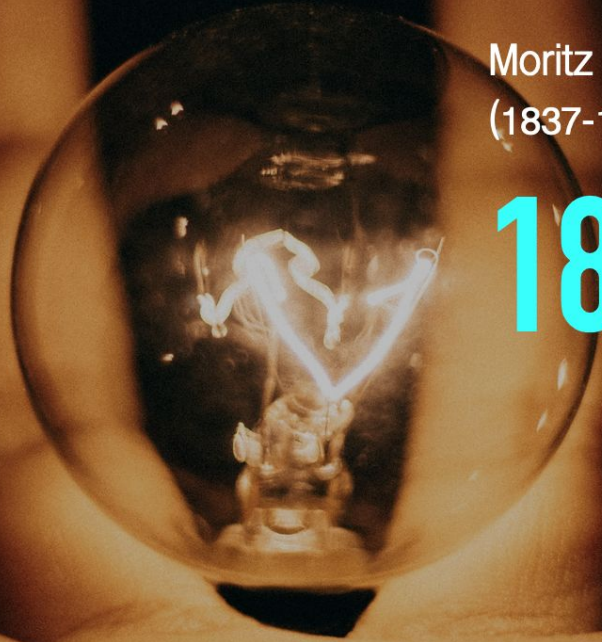
William Coley
(1862-1936)

Wilhelm Conrad
Roentgen (1845-1923)

Ernest Codman
(1869-1940)

Moritz Kaposi
(1837-1902)

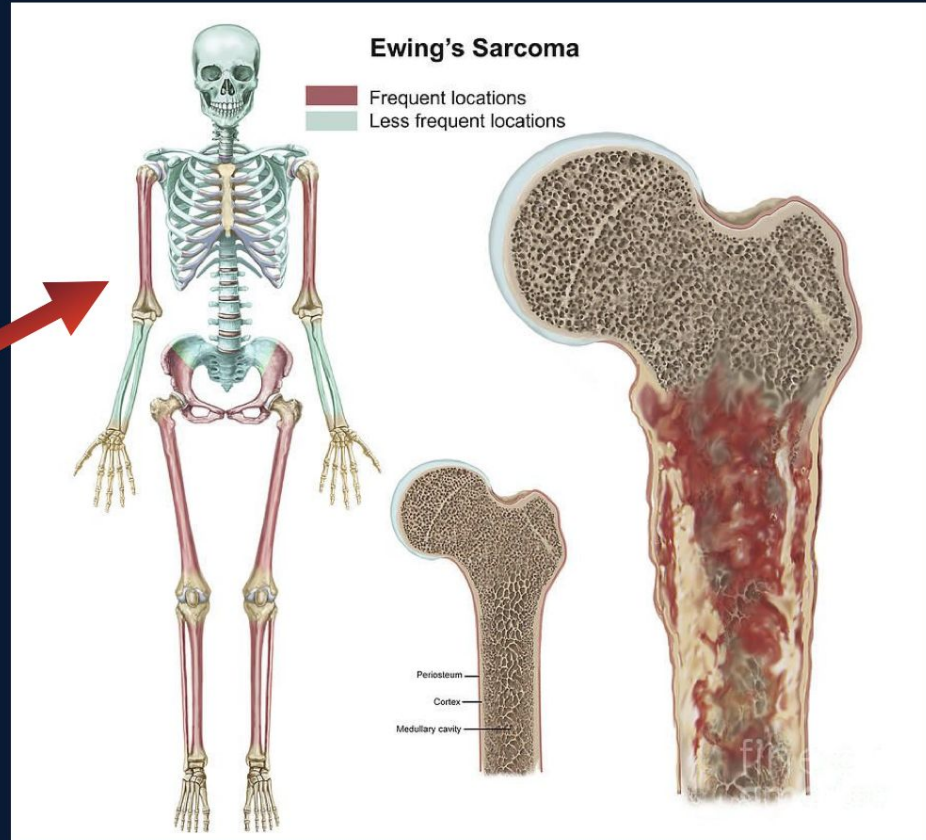
1872 angiosarcoma



James Ewing
(1866–1943)

1920–1921

10% survival rate



Sarcomas today

>100

subtypes

<1%

adult sarcomas

≈20%

pediatric sarcomas

30%

misclassified

13-16k

new cases

5-6k

deaths

Bone sarcoma

5-year OS < **70%**
localized disease

5-year OS < **20%**
metastatic disease

Soft tissue sarcoma



5-year OS \approx **57–62%**

Too heterogenous to have correct data

A photograph of several surgeons in an operating room, wearing blue scrubs, masks, and surgical caps. They are focused on a patient, with surgical instruments visible. The image is overlaid with text and a green line.

Therapy

Surgery

Experimental treatment

NACT or ACT

Targets and Immunotherapy

Radiotherapy