

PICTURING MEDICINE

Exhibit curated by

Susan Bishop and Nancy Bianchi

Online exhibit created by

Susan Bishop

Andreas Vesalius (1514 – 1564)

Physician, Anatomist, Author



- Born in Brussels, Belgium
- Chair of Surgery and Anatomy at Padua, Italy
- Used dissection as his primary teaching tool
- **Set a new standard in anatomical illustration**
- Work on the vascular and circulatory systems – *one of his greatest contributions to complex and modern medicine*
- Author of “**On the Structure of the Human Body**” one of the most influential books on human anatomy

The Basel Skeleton – 1543

Vesalius conducted a public dissection of the body of Jakob Karrer von Gebweiler, a notorious felon from Basel, Switzerland.

The Basel Skeleton is Vesalius' only well-preserved skeletal preparation today & the ***world's oldest anatomical preparation.***

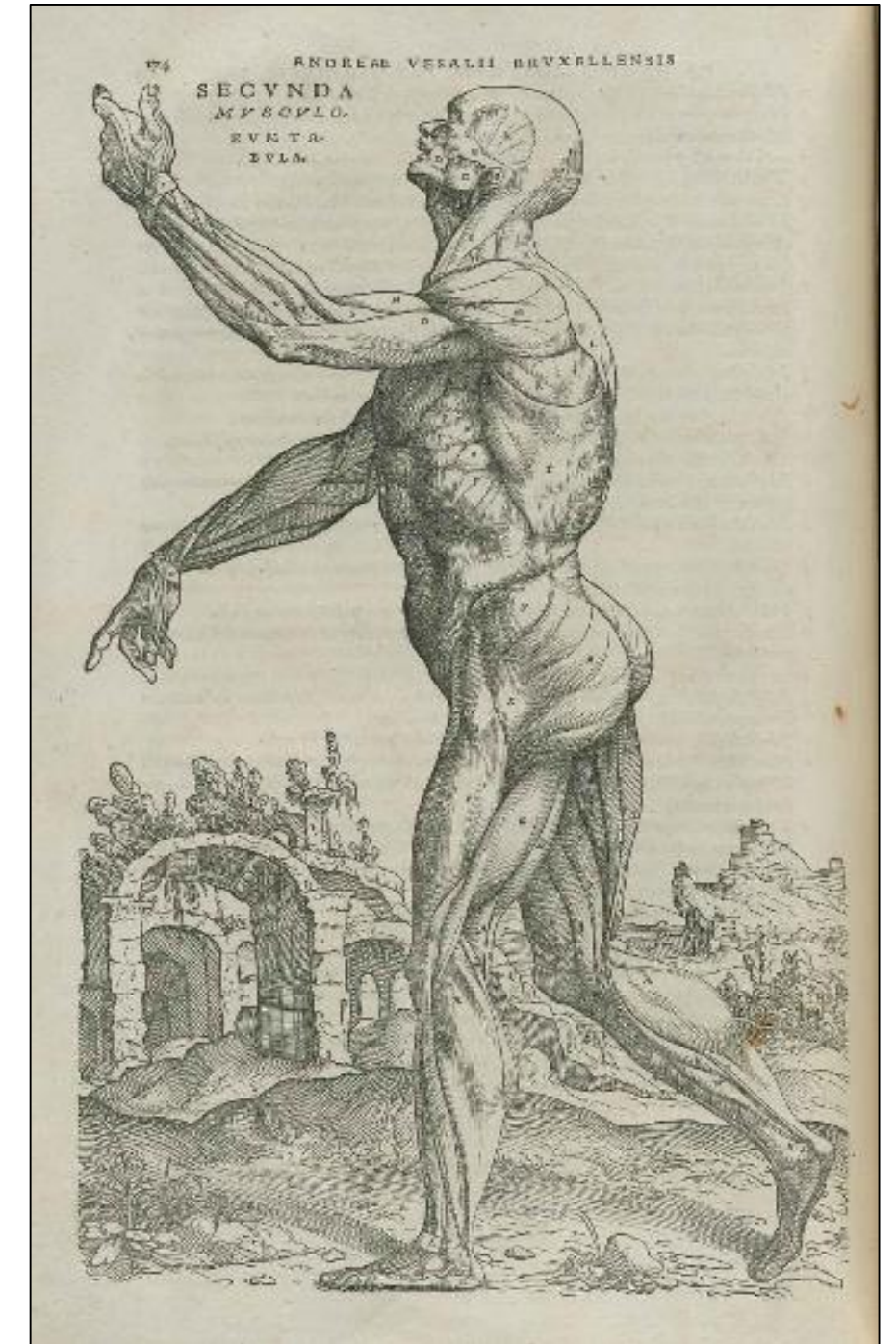
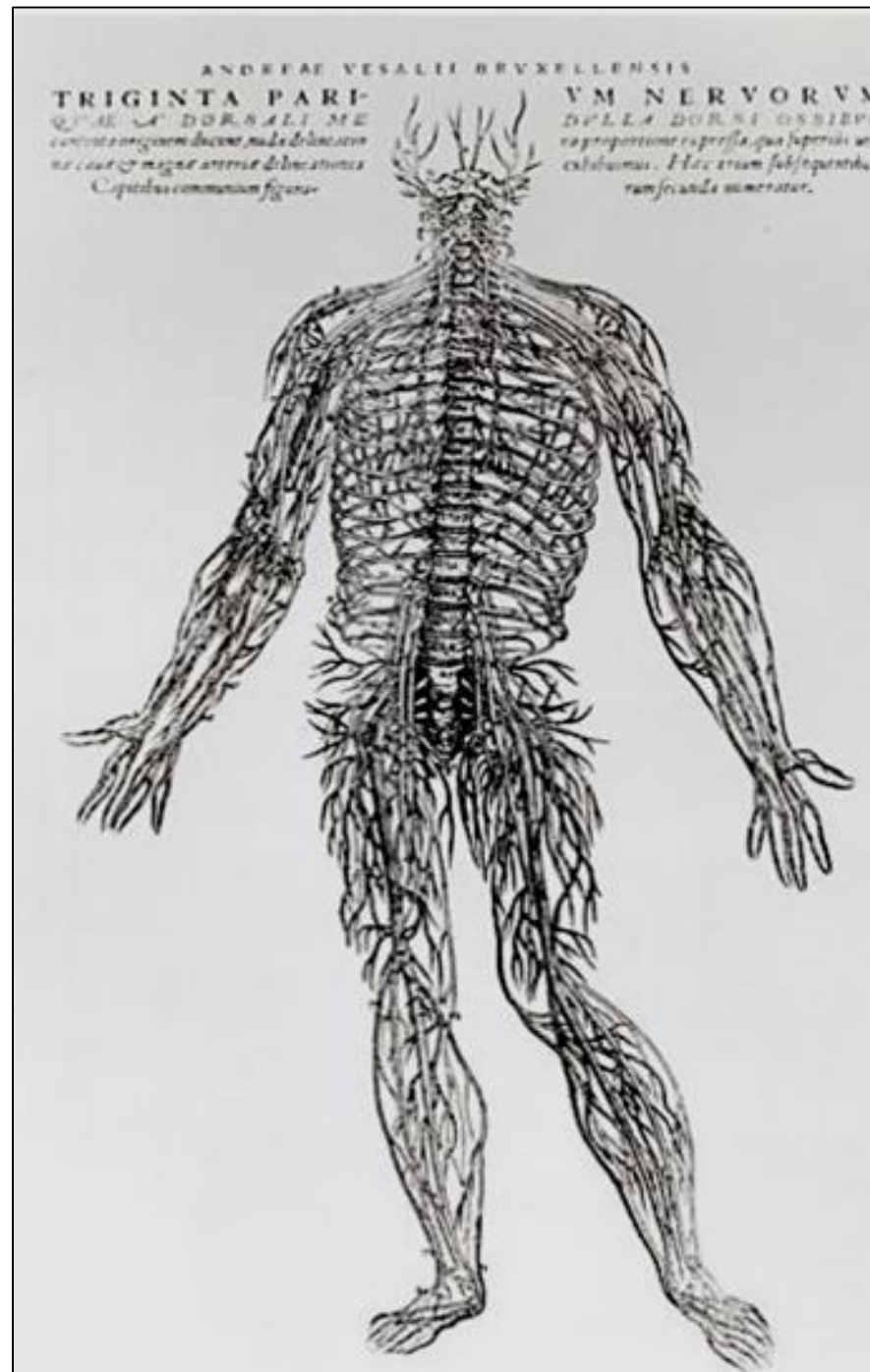


**Displayed at the Anatomical
Museum of the University of Basel**

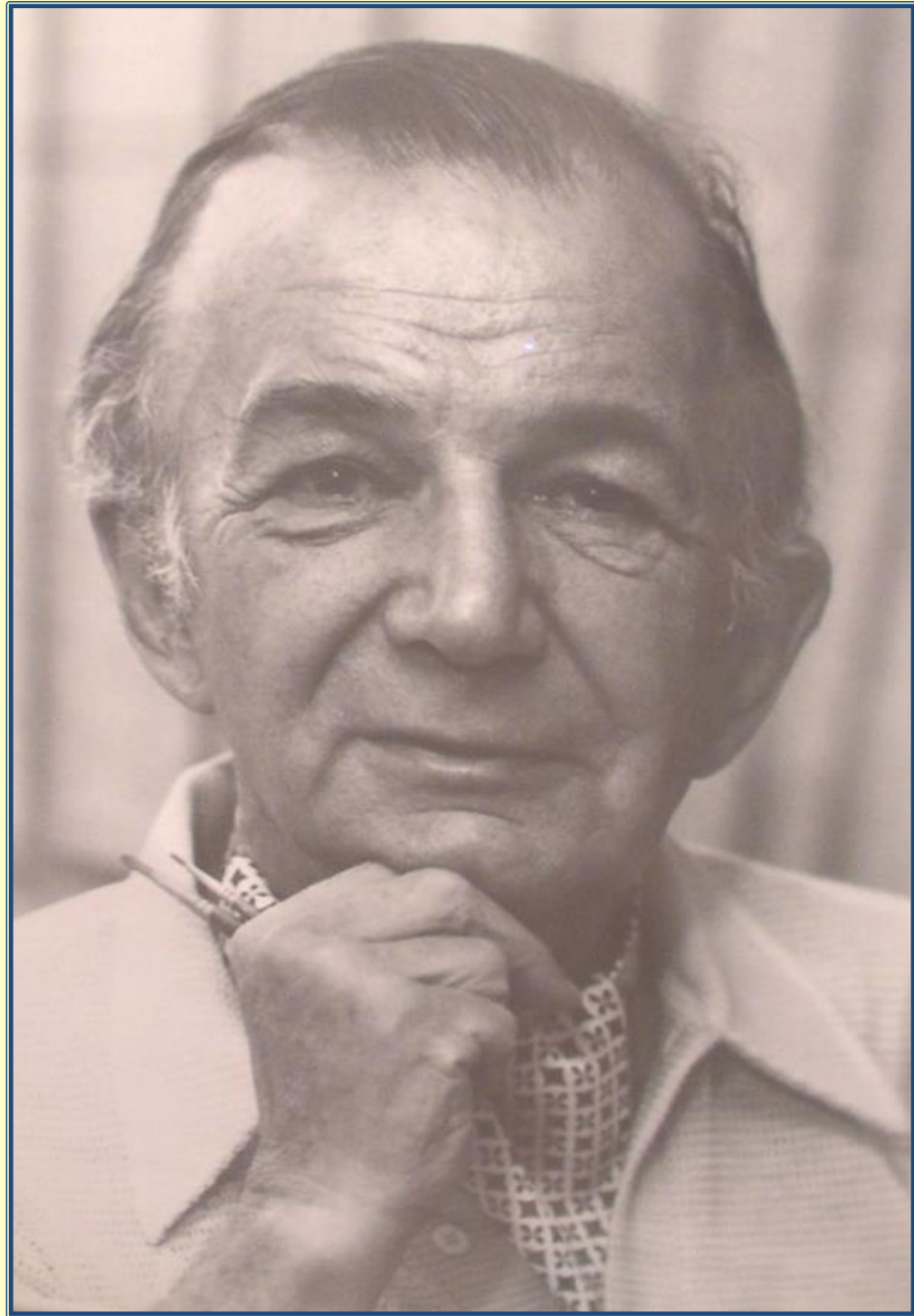
Illustrations by Andreas Vesalius

De humani corporis Fabrica

First Edition, 1543



Frank H. Netter (1906 – 1991)



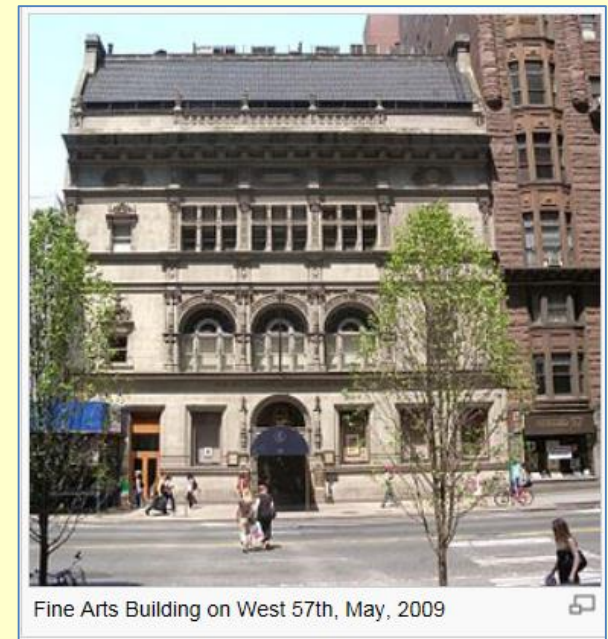
Do you know this man?

Although you may not recognize his face or name, you will undoubtedly know him by his human anatomy and physiology illustrations.

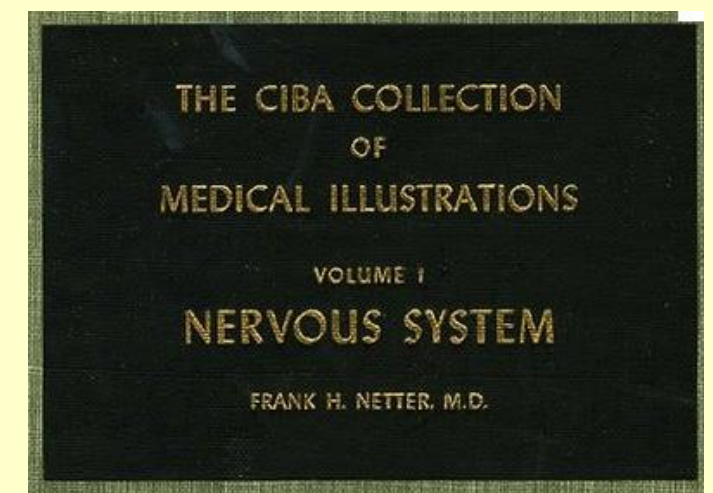


Dr. Frank Netter, the acclaimed master of medical illustration, is considered to be the “Michelangelo of Medicine”

- ❖ Frank Netter was born in NYC in 1906
- ❖ He trained as an artist at the National Academy of Design and the Arts Students’ League in NYC
- ❖ His friends included Norman Rockwell and Maxfield Parrish while his clients were the highly regarded *The Saturday Evening Post* and the *New York Times*



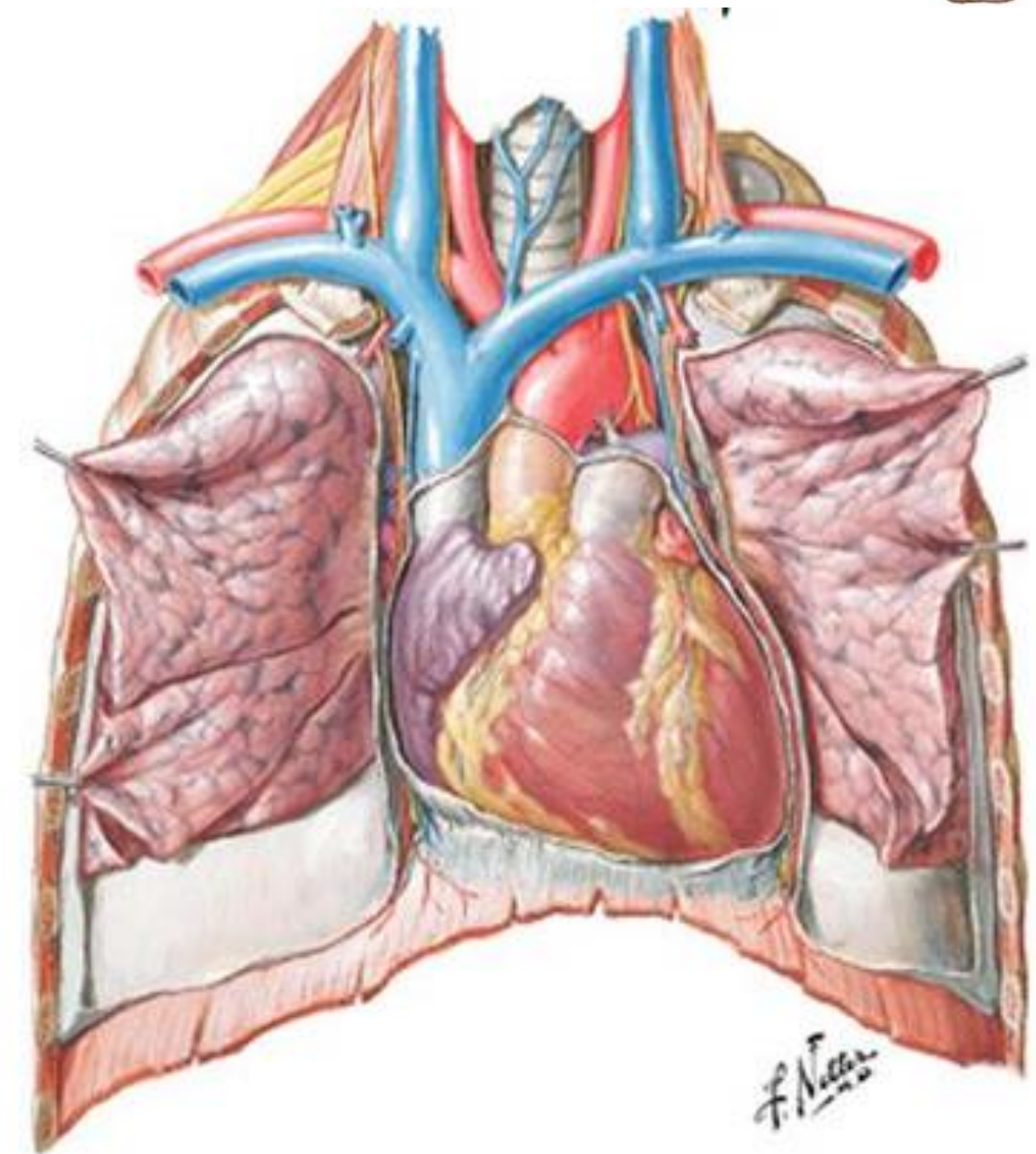
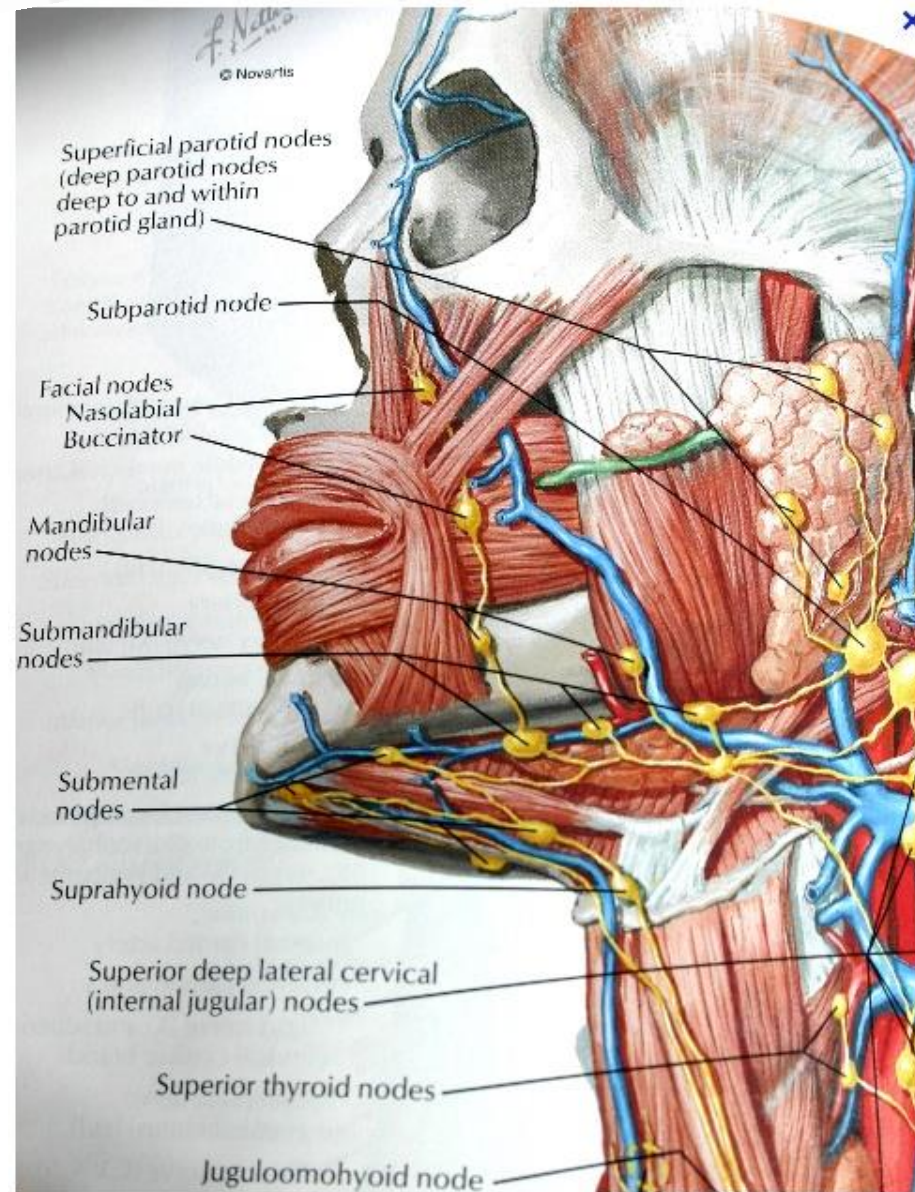
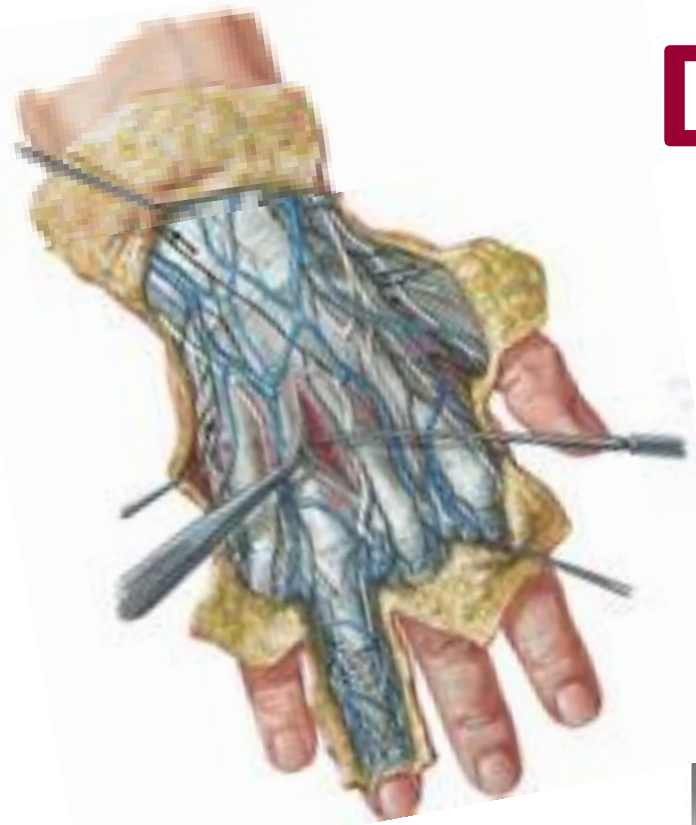
- ❖ To honor his mother's dying wishes, he enrolled in medical school at NYU School of Medicine and completed his surgical residency in 1933
- ❖ Netter financed his education by doing illustrations for his professors' books and articles
- ❖ He continued to work on medical illustrations, then for the Swiss pharmaceutical company Ciba (which later became Ciba-Geigy and then, Novartis)
- ❖ In 1936 he began a life-long collaboration with the Ciba Company

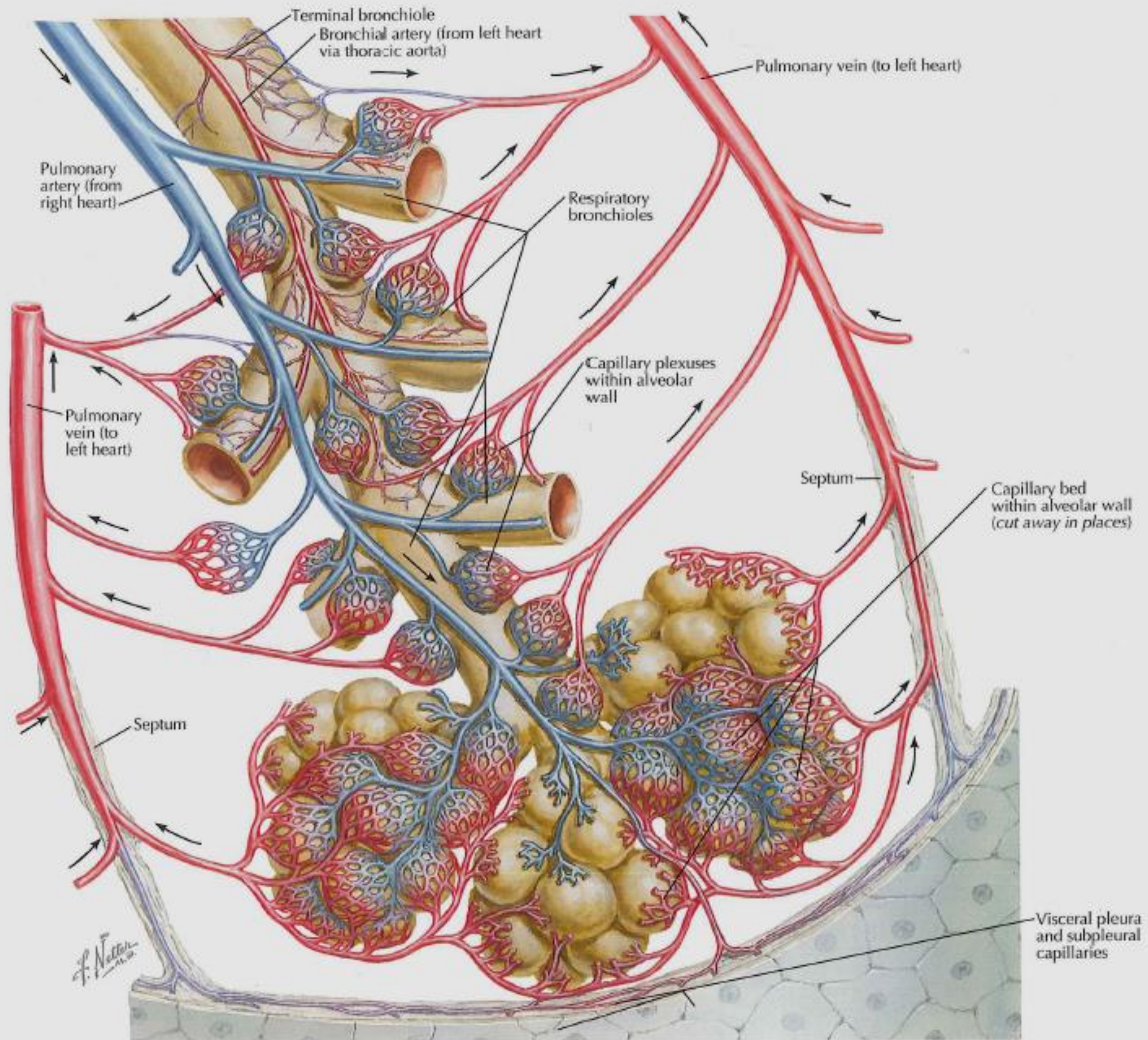


Netter's artistic work spanned more than a half-century. His legacy lives on in the form of his world-renowned medical illustrations, which include the following:

- *Clinical Symposia* (1948 – present) – a quarterly publication of a series of monographs focusing on diagnosis and treatment of a specific medical condition
- *Atlas of Human Anatomy* (1989) – considered to be Netter's greatest artistic achievement
- *The Netter Collection of Medical Illustrations* (1953 – 1993) – a 13-volume set illustrating all organ systems of the human body. Often referred to as the “**green books**” in medicine

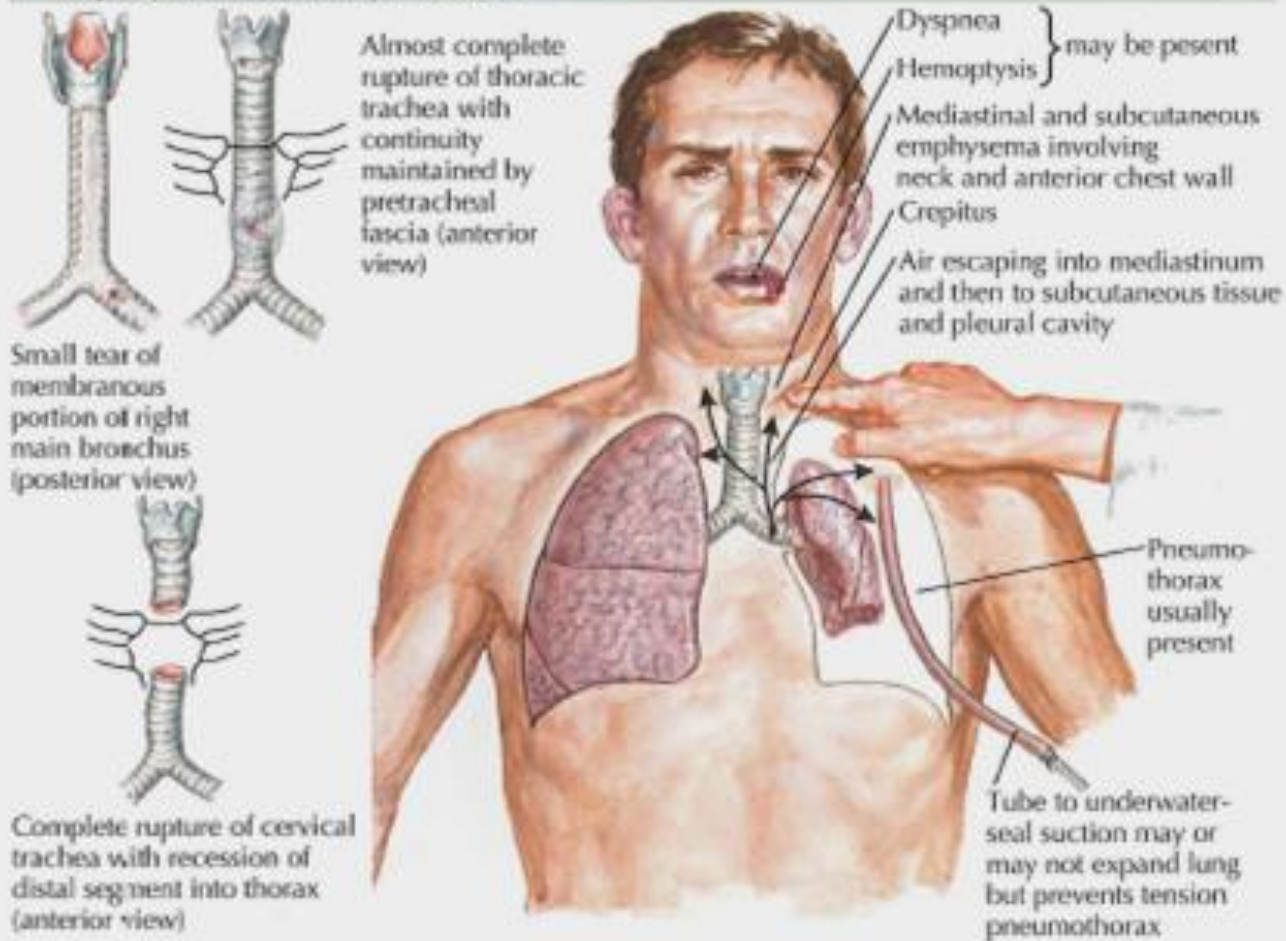
During his lifetime, Frank Netter produced more than 4000 illustrations





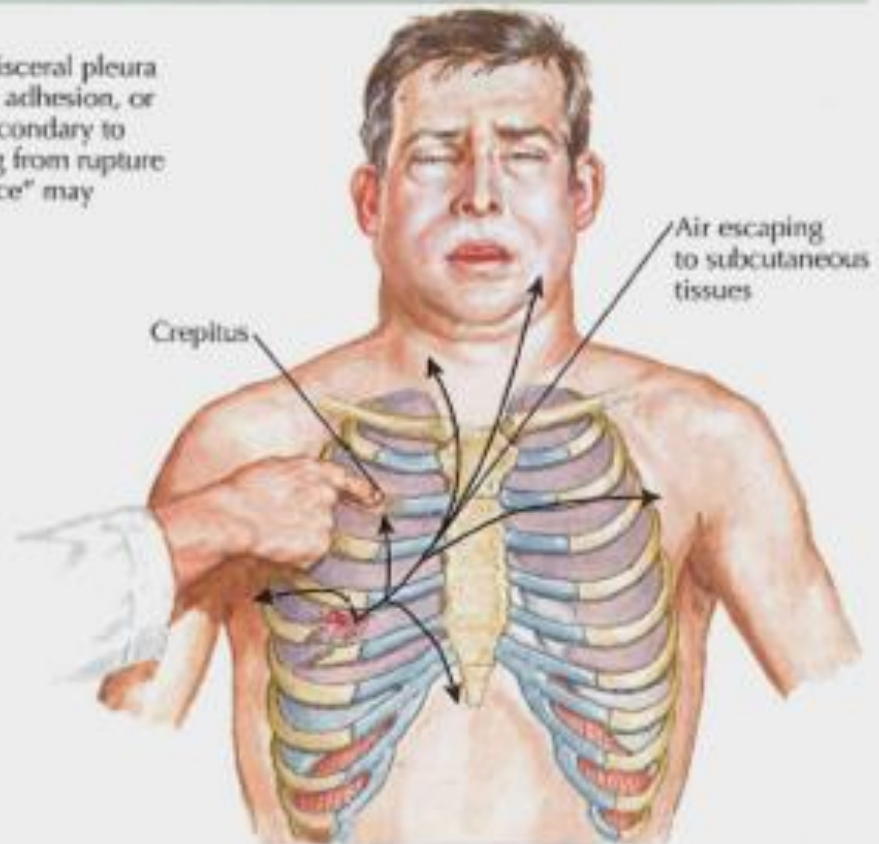
Pulmonary arteries and their branches distribute segmentally with the bronchi. Pulmonary veins and their tributaries drain intersegmentally.

Rupture of trachea or major bronchi



Subcutaneous emphysema

Laceration of both parietal and visceral pleura and of lung by fractured rib, torn adhesion, or puncture wound (may also be secondary to mediastinal emphysema resulting from rupture of trachea or bronchus). "Frog face" may occur in advanced cases



F. Netter

Netter strived to create **faces** and **bodies** in his work that reflected their individual personalities.

His sense of humanity and empathy for patients is one of the most distinguishing features of his paintings.

As he said:

"I try to depict living patients whenever possible," "After all, physicians do see patients, and we must remember we are treating whole human beings."

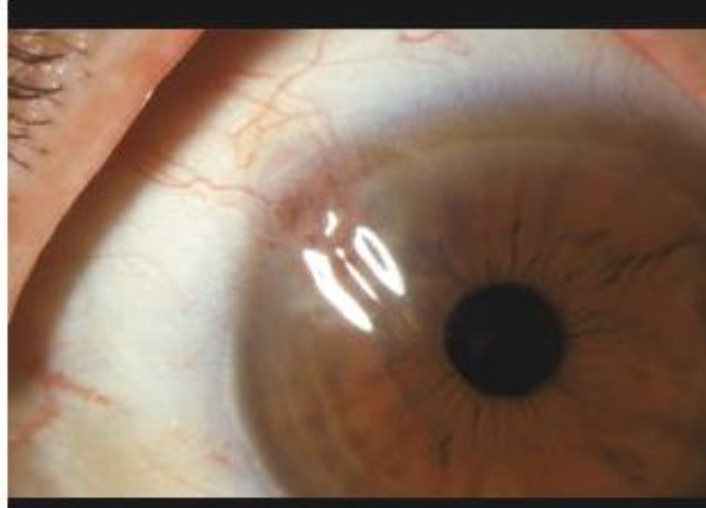
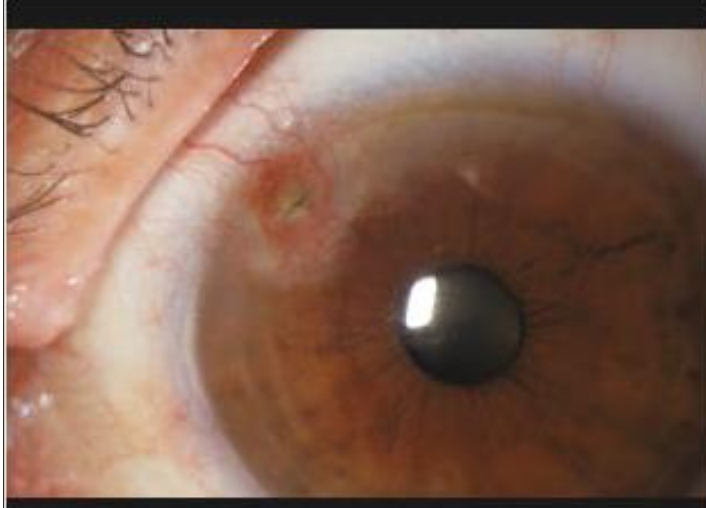
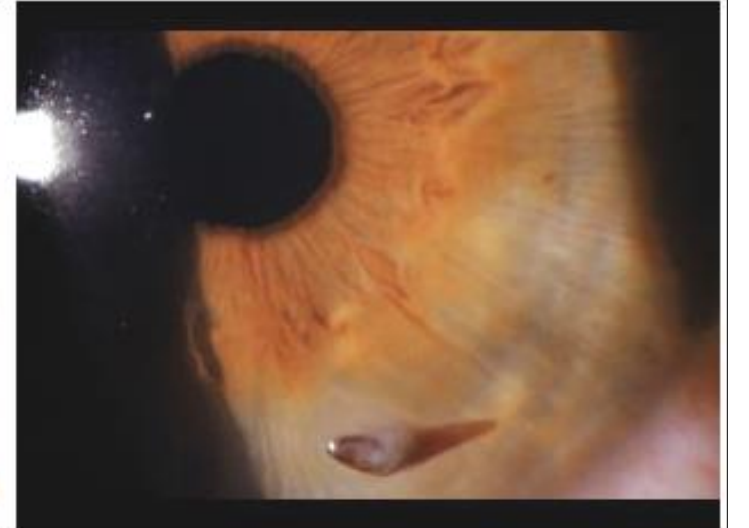
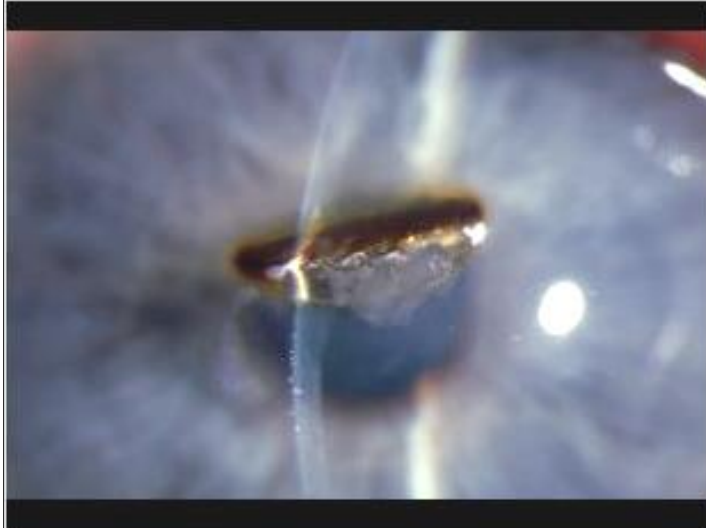
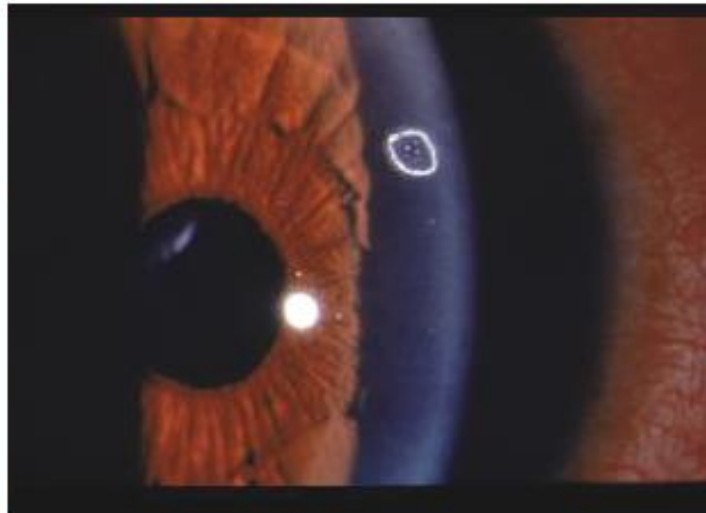
Images

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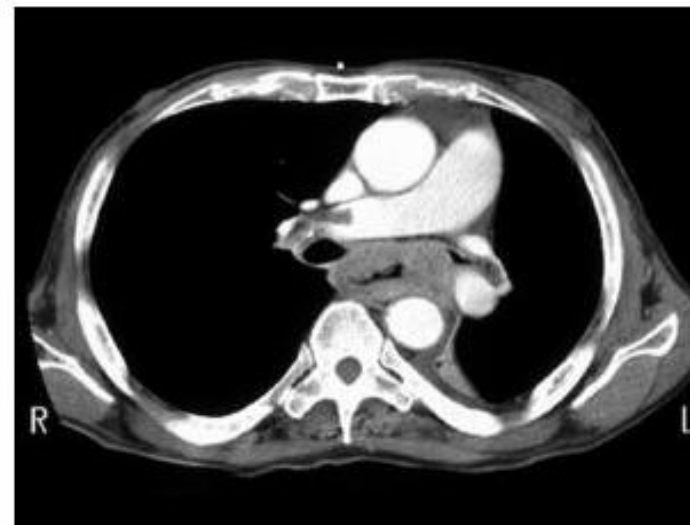
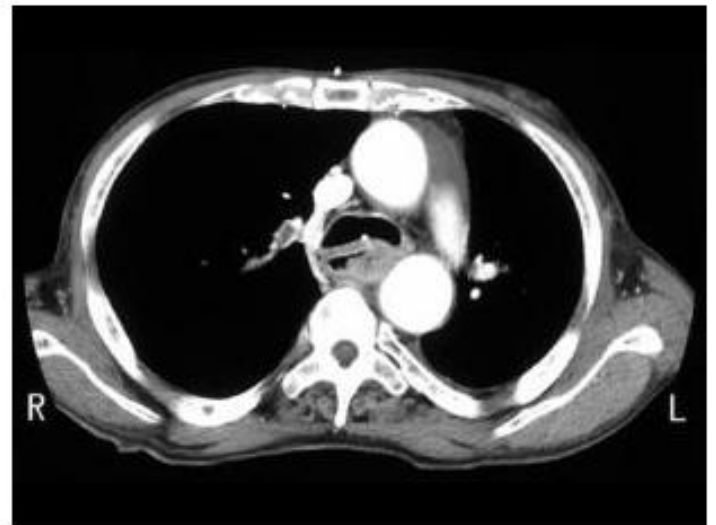
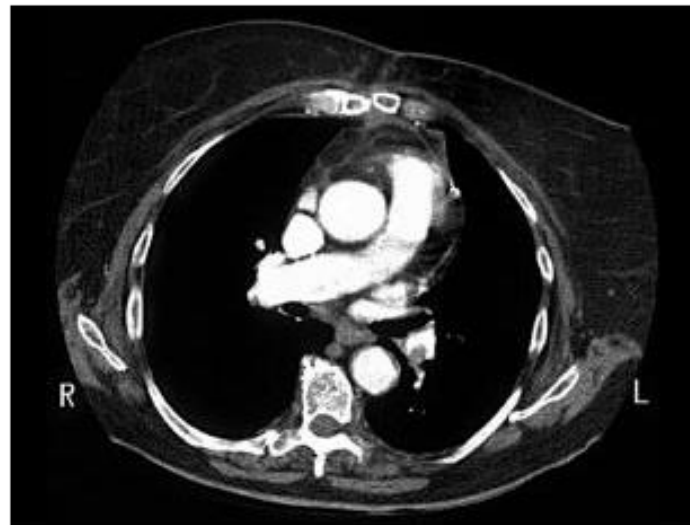
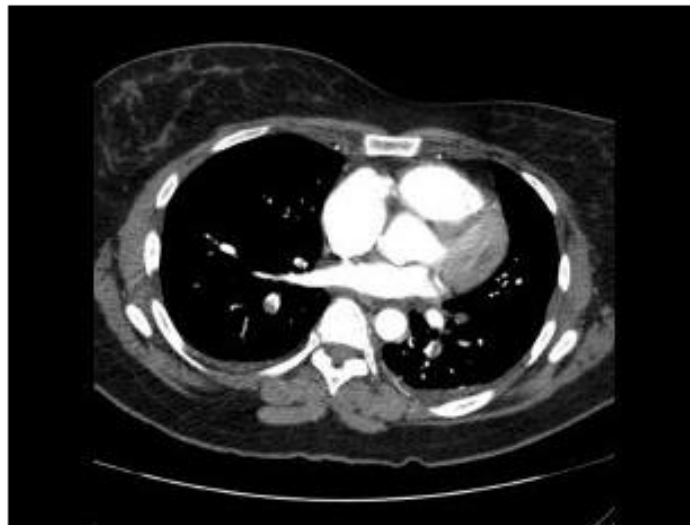
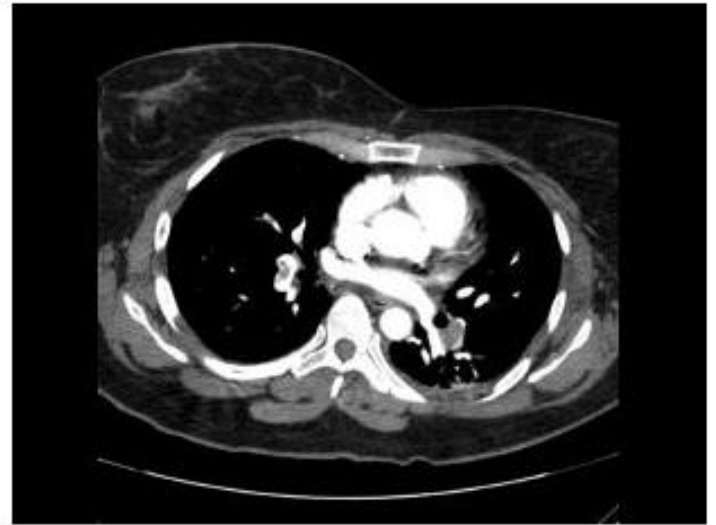
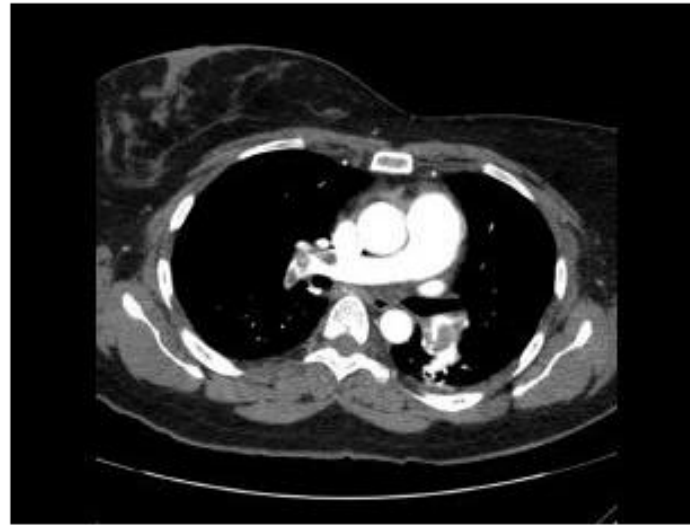
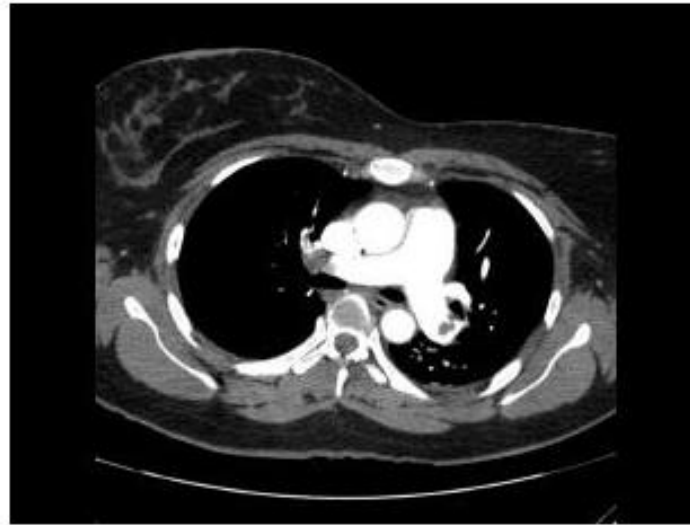
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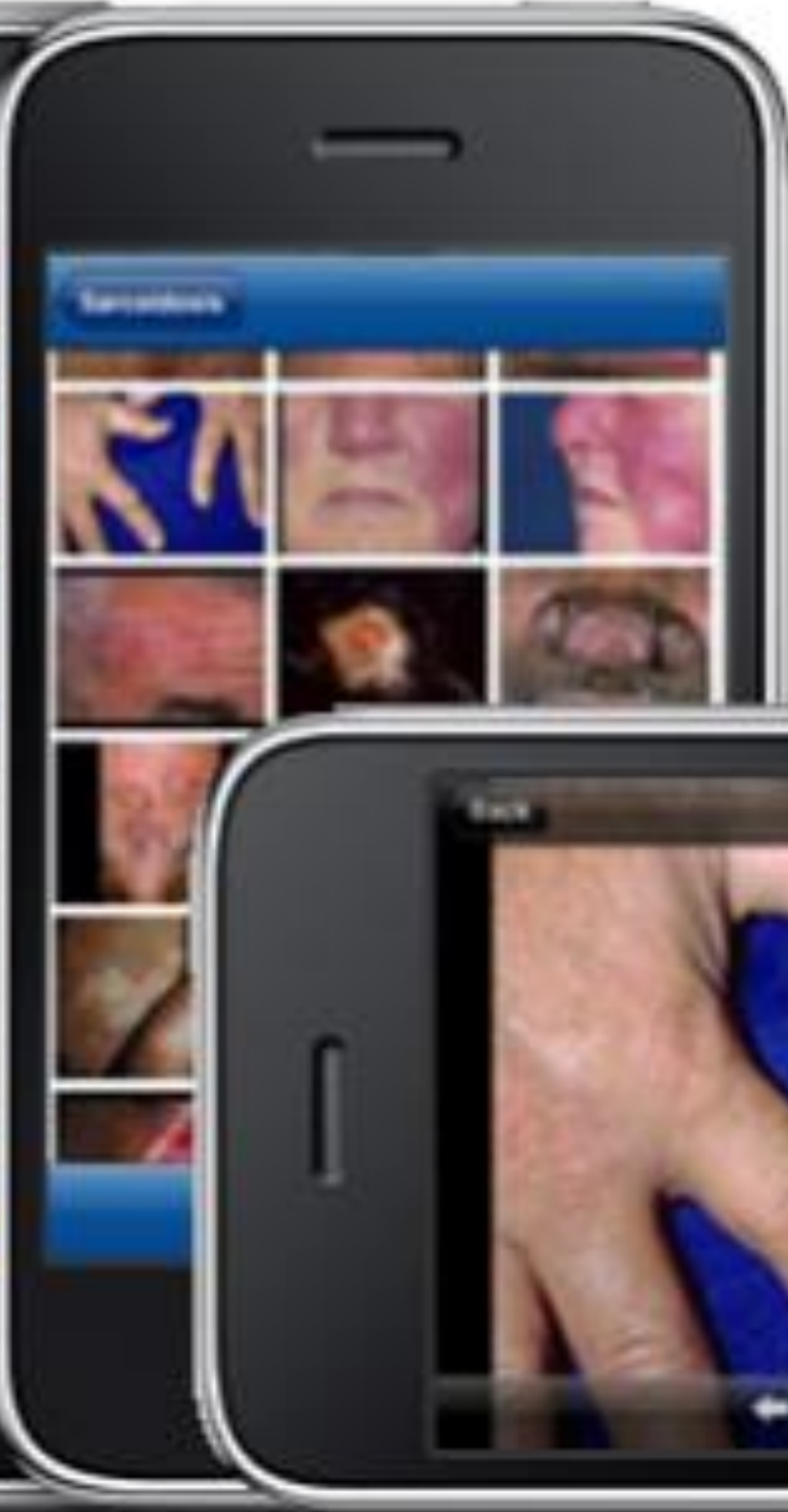
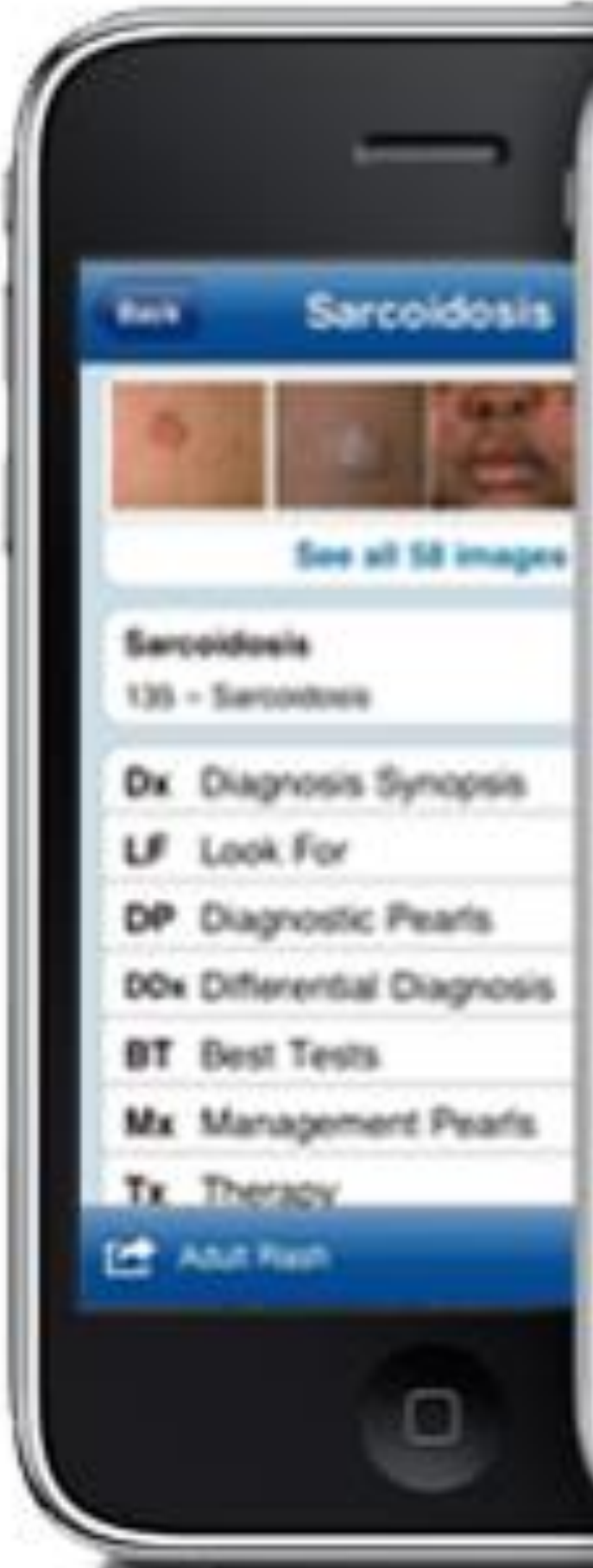


**Corneal
Foreign Body**



Pulmonary Embolism

VisualDx[®]

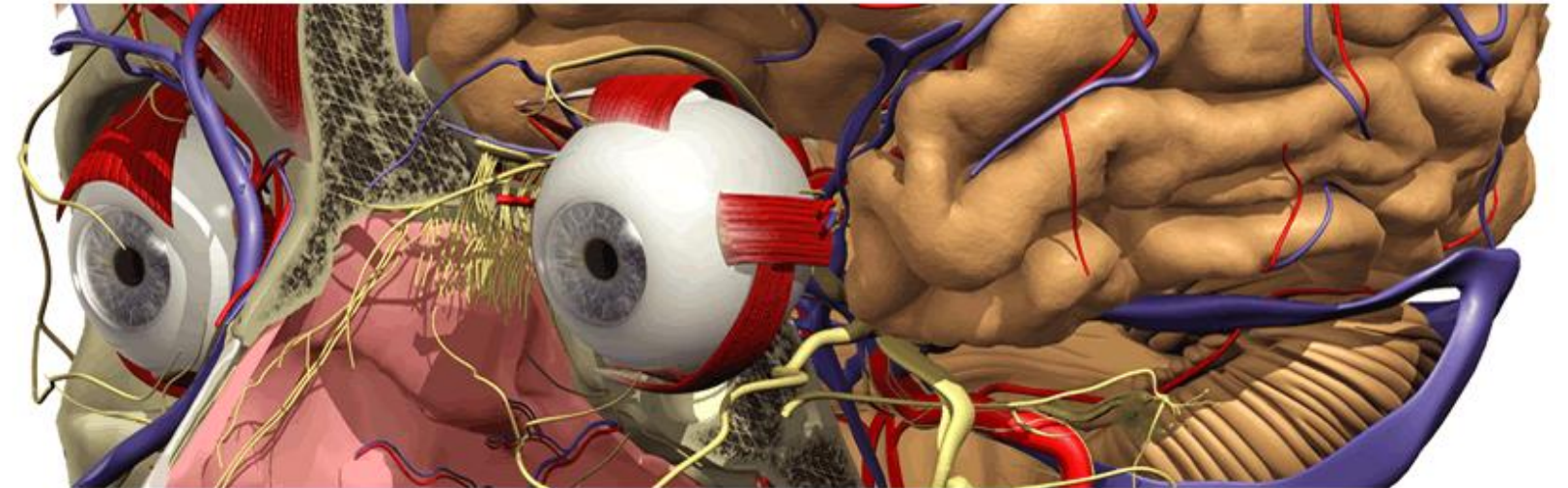
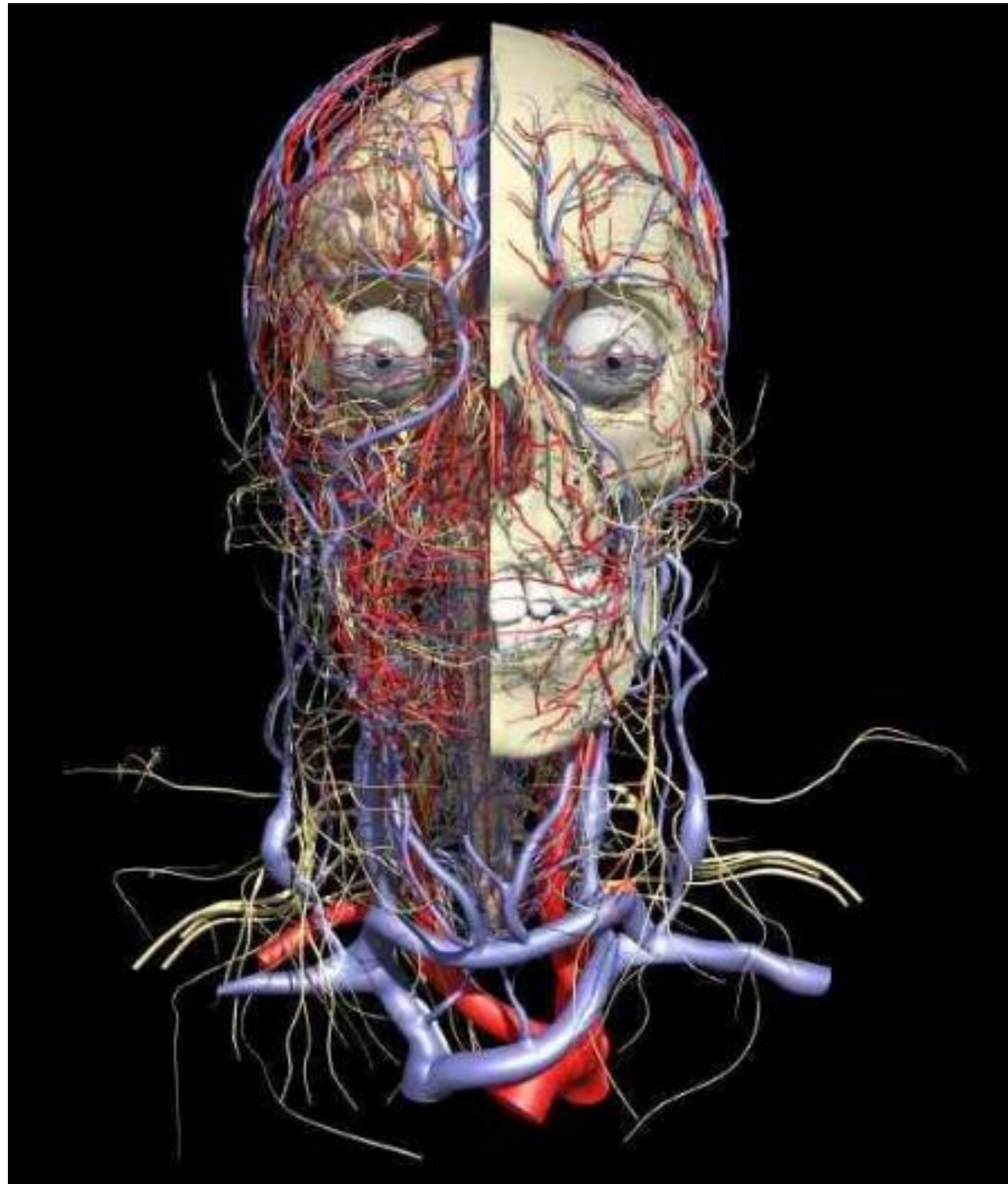




***Anatomy TV* is a suite of 3D interactive models of human anatomy**

Key Features:

- 3D modeling of all structures
- Models rotate through 360 degrees
- Add or remove layers of anatomy
- Link to relevant text, dissections, clinical slides, diagrams, video clips, MRI scans
- Quiz & multiple choice questions



***VisualDx* and *Anatomy.TV* are available from the Dana Medical Library homepage under Articles & Databases with a UVM netid and password**

Dana Medical Library – Resources

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