

## **Program for the History of Medicine, Cedars-Sinai Medical Center**

### **Course Title: History of Pathology**

**Course Instructors:** Gideon Manning, Ph.D., Stephen A. Geller, M.D., M.F.A.

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### **Course Description:**

One of the most important principles for the practice of medicine is understanding the basis and nature of disease, the object of the medical specialty of Pathology. This course will review the evolution of the discipline, including many of those physicians and scientists who contributed to its development. We will specifically emphasize the importance of the discipline for the development of medical science, with consideration of the changing definitions of health and disease, the relationship between the clinic and the laboratory, as well as the influence of technologic advances more generally. The course will conclude with a discussion of the future of Pathology.

### **Learning outcomes:**

- 1 Understand the evolution of Pathology as a distinct specialty along with its subspecialties.
2. Appreciate the changes in technology that led to the creation of modern Pathology.
3. Apply the lessons learned to understand the current state of Pathology in society and to anticipate its future.

### **General references:**

A Castiglione, "A History of Medicine, 2<sup>nd</sup> ed." (trans., EB Krumbhaar), Alfred A. Knopf, 1947  
J Duffin, "History of Medicine – A Scandalously Short Introduction," Univ. Toronto Press, 2010.  
ER Long, "A History of Pathology," Dover Publications, 1965.  
EB Krumbhaar, "Pathology," Hafner Publishing, 1962.  
G Majno, "The Healing Hand," Harvard University Press, 1975.  
JG van den Tweel, J Gu, CR Taylor, "From Magic to Molecules," Peking University Press, 2016.

### **Course Topics and Schedule**

#### Week 1. In the Beginning There was Disease; Antiquity to the Renaissance

Readings: Selections from the Bible, Hippocrates, Galen and Avicenna

#### Week 2. The Renaissance Lights the Way; Setting the Foundations of Modern Medicine

Readings: Selections from early modern anatomical works, Fracastoro, Morgagni, and Geller

#### Week 3. Technology and Medical Revolution; The Microscope and Printing Technology

Readings: Selections from Leeuwenhoek, Hooke, Lister, Hodgkin, and Bertoloni Meli

#### Week 4. The Nineteenth Century and Evolution of a Modern Specialty

Readings: Selections from Bernard, Rokitansky, Virchow, Pasteur and Koch

#### Week 5. The Twentieth Century; A Peak and the Developing Nadir. (SG)

Readings: tbd

#### Week 6. Factors Determining the Future; Medical, Scientific, Societal, Legislative and Economic:

Readings: tbd