

## **History of Modern Medicine: Enlightenment to Present**

Spring 2012, #150.702

Thursdays, 10-12

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We will be concentrating upon the relationship of changing medical structures, practices, and ideas to the broader context from the 18<sup>th</sup> century to the present. For that reason, you should be familiar with the general contours of European and U. S. history over those centuries. If necessary, you might supplement course readings with a general history text(s) recommended by a faculty member.

There will be two short (5-7 pp.) written assignments.

You should purchase a copy of Mary Lindemann, *Medicine and Society in Early Modern Europe*, second edition (Cambridge UP, 2010); and W.F. Bynum et al., eds., *The Western Medical Tradition 1800 to 2000* (Cambridge UP, 2006).

### **February 2 Master Narratives in the History of Modern Medicine**

John Harley Warner, "Grand Narrative and Its Discontents: Medical History and the Social Transformation of American Medicine," *Journal of Health Politics, Policy and Law* 29 (2004), pp. 757-780

N.C. Jewson, "The disappearance of the sick-man from medical cosmology, 1770-1870." *Sociology*, 10 (1976): 225-244

Ludmilla Jordanova, "The Social Construction of Medical Knowledge," in Frank Huisman and John Harley Warner, eds., *Locating Medical History: The Stories and Their Meanings* (Baltimore: Johns Hopkins UP, 2004), 338-363.

Susan M. Reverby and David Rosner, "'Beyond the Great Doctors' Revisited: A Generation of the 'New' Social History of Medicine," in *Locating Medical History: The Stories and Their Meanings* (Baltimore: Johns Hopkins UP, 2004), 167-193.

Harold J. Cook, "Introduction," in W.F. Bynum et al., *The Western Medical Tradition*, pp. 1-6.

## ENLIGHTENMENT (1700-1789)

### February 9 The Individual Gaze

Lindemann, *Medicine and Society*, pp. 1-50, 84-156, 235-280.

William Coleman, "Health and Hygiene in the *Encyclopédie*: A Medical Doctrine for the Bourgeoisie," *Journal of the History of Medicine* 29 (1974), pp. 399-421.

Steven Shapin, "Descartes the doctor: rationalism and its therapies," *British Journal of the History of Science* 33 (2000), pp. 131-154.

Harold Cook, "Good Advice and Little Medicine: The Professional Authority of Early Modern English Physicians," *The Journal of British Studies* 33, 1 (January 1994), pp. 1-31.

Mary E. Fissell, "The Disappearance of the Patient's Narrative and the Invention of Hospital Medicine", in Roger French and Andrew Wear, *British Medicine in an Age of Reform* (London: Routledge, 1991), pp. 92-109.

Giambattista Morgagni, *The Clinical Consultations of Giambattista Morgagni*, Saul Jarcho, ed. (Boston: Countway Library, 1984), pp.13-18, 37-42; 47-58.

### February 16 The Group Gaze

Lindemann, *Medicine and Society*, pp. 50-83; 157-234.

L. J. Jordanova, "Earth science and environmental medicine: the synthesis of the late Enlightenment," in L. J. Jordanova and Roy S. Porter, eds., *Images of the Earth: Essays in the History of the Environmental Sciences* (British Society for the History of Science, 1978), pp. 119-146.

Peter Mathias, "Swords and Ploughshares: The Armed Forces, Medicine and Public Health in the Late 18th Century," In Peter Mathias, *The Transformation of England. Essays in the Economic and Social History of England in the 18th Century* (London: Methuen, 1979), pp. 265-285.

Colin Jones and Michael Sonenscher, "The Social Function of the Hospital in Eighteenth-Century France: The Case of the Hôtel-Dieu of Nîmes" in Colin Jones, ed., *The Charitable Imperative* (London: Routledge, 1989), pp. 48-86.

Stephen Hales, "An Account of the Great Benefit of Ventilators in Many Instances in Preserving the Health and Lives of People, In Slave and Other Transport Ships," *Philosophical Transactions* (1683-1775), 1755-1756, 49: 332-339. [available on JSTOR]

Johann Peter Frank, "Academic Address on the People's Misery: Mother of All Diseases" [1790], *Bulletin of the History of Medicine* 9 (1941), pp. 88-100.

James Lind, *An Essay on Diseases Incidental to Europeans in Hot Climates*. 2<sup>nd</sup> edition. (London: T. Becket and T.A. de Hondt, 1771), pp. 46-51; 55-58.

## THE AGE OF REVOLUTIONS (1789-1850)

### February 23 Paris Clinic

Stephen Jacyna, "Medicine in Transformation," in Bynum et. al, *Western Medical Tradition*, pp. 11-88.

Michel Foucault, *The Birth of the Clinic: An Archaeology of Medical Perception* (New York: Vintage, 1994), pp. 54-63; 124-148 (Chaps. 4, 8).

Owsei Temkin, "The Role of Surgery in the Rise of Modern Medical Thought," idem, *The Double Face of Janus* (Baltimore: John Hopkins UP, 1977), pp. 487-496

Guenter B. Risse, *Mending Bodies, Saving Souls: A History of Hospitals* (New York and Oxford: Oxford UP, 1999), pp. 289-338 (chapter 6: Paris hospitals).

Ann La Berge and Caroline Hannaway, "Paris Medicine: Perspectives Past and Present," in Hannaway and La Berge, eds., *Constructing Paris Medicine* (Amsterdam-Atlanta: Editions Rodopi B. V., 1998), pp. 1-69.

R.T.H. Laennec, *A Treatise on Disease of the Chest* [1819], pp. 1-16, 297-310.

**Recommended:** Pierre-Charles A. Louis, *Anatomical, Pathological and Therapeutic Researches Upon the Disease Known Under the Name of Gastro-enterite, Putrid, Adynamic, Ataxic or Typhoid Fever, etc.* Boston: Issac R. Butts, 1836. I: ix-xii, 3-13, 54-56, 91-92, 374-384; II: 265-272, 388-394.

## March 1      Public Health

Michael W. Flinn, "Introduction," to Edwin Chadwick, *Report on the Sanitary Condition of the Labouring Population of Great Britain* [1842]. (Edinburgh: Edinburgh UP, 1965), pp. 3-43.

Christopher Hamlin, *Public Health and Social Justice in the Age of Chadwick: Britain, 1800-1854* (Cambridge: Cambridge UP, 1998), pp. 16-83, 156-187.

Richard J. Evans, "Epidemics and Revolution: Cholera in 19th Century Europe," *Past & Present* 120 (August, 1988), 123-146.

Edwin Chadwick, *Report on the Sanitary Condition of the Labouring Classes of Great Britain* [1842]. (Edinburgh: Edinburgh UP, 1965). Read pp. 163-170; 181-182; 195-201, and spend 30 minutes paging through the text.

W.P. Alison, "Observations on the Generation of Fever," Local Government Board, Report No 2 in *British Parliamentary Papers: The Chadwick Inquiry . . . Local Reports for Scotland. Health. General. Volume 4* [1842-1843] (Shannon: Irish UP, 1971-73), pp. 13-33.

## March 8      Private Health

Irvine Loudon, "Medical practitioners 1750-1850 and the period of medical reform in Britain," in Andrew Wear, ed., *Medicine in Society: Historical essays* (Cambridge: Cambridge UP, 1992), pp. 219-248.

Stephen M. Stowe, *Doctoring the South. Southern Physicians and Everyday Medicine in the Mid-Nineteenth Century*. (Chapel Hill: University of North Carolina Press, 2004), pp. 131-258.

Charles Rosenberg, "The practice of medicine in New York a century ago," [1967] in Charles Rosenberg, *Explaining Epidemics and Other Studies in the History of Medicine* (Cambridge: Cambridge UP, 1992), 125-54.

Bynum, "The rise of science in medicine, 1850-1913," in Bynum et. al, *The Western Medical Tradition*, pp. 165-175.

**Recommended:** Nancy Friedan, *Russian Physicians in an Era of Reform and Revolution, 1856-1905* (Princeton: Princeton UP, 1981), pp. 77-131 (chapters 4-5).

## THE RISE OF SCIENTIFIC MEDICINE (1850-1890)

### March 15      **Physiology as the Basis of Medicine**

W. F. Bynum, "The rise of science in medicine, 1850-1913," in Bynum et. al, *The Western Medical Tradition*, pp. 111-132.

William Coleman, "The Cognitive Basis of the Discipline: Claude Bernard on Physiology," *Isis* 76 (March, 1985), 49-70.

Daniel Todes, "Pavlov's Physiology Factory" *Isis* 88 (1997), pp. 205-246.

John Harley Warner "Ideals of Science and Their Discontents in Late Nineteenth-Century American Medicine," *Isis* 82 (September 1991), pp. 454-478.

Claude Bernard, *An Introduction to the Study of Experimental Medicine* [1865], trans. Henry Copley Greene (New York: Dover, 1957), pages tba.

### March 29      **Bacteriology as the Basis of Medicine**

Gerald Geison, *The Private Science of Louis Pasteur* (Princeton: Princeton UP, 1995), chapters 2 and 9.

J. Andrew Mendelsohn, "‘Like All That Lives’: Biology, Medicine and Bacteria in the Age of Pasteur and Koch," *History and Philosophy of the Life Sciences* 24 (2002), pp. 3-36.

W. F. Bynum, "The rise of science in medicine, 1850-1913," in Bynum et. al, *The Western Medical Tradition*, pp. 132-135, 165-175

Michael Worboys, "Was there a Bacteriological Revolution in late nineteenth century medicine?" *Studies in History and Philosophy of Biological and Biomedical Sciences* 38 (2007), pp. 20-42

Margaret Pelling, "Contagion/germ theory/specificity," in W.F. Bynum & Roy Porter, *Companion Encyclopedia of the History of Medicine*, vol. 1 (London: Routledge, 1992), pp. 309-334.

Robert Koch, "The Etiology of Tuberculosis [1884]" in *Essays of Robert Koch* (New York: Greenwood Press, 1987), pp. 129-150.

"Discussion on the Advisability of the Registration of Tuberculosis," *Transactions of the College of Physicians of Philadelphia* 16 (1894), pp. 1-27.

**Recommended:** J. Andrew Mendelsohn, *Cultures of Bacteriology: Formation and Transformation of a Science in France and Germany, 1870-1914* (Doctoral thesis: Princeton University, 1996), pp. 1-16, 438-489.

## THE FRUITS OF MODERNITY (1890-1975)

### April 5      **The Hospital Transformed**

Rosemary Stevens, *In Sickness & In Wealth: American Hospitals in the Twentieth Century* (Baltimore: Johns Hopkins UP, 1989), pp. 3-51, 105-139 (chapters 1, 2, 5).

Paul Starr, *The Social Transformation of American Medicine* (New York: Basic Books, 1982), pp. 145-179 (chapter 4).

Charles Rosenberg, *The Care of Strangers: The Rise of America's Hospital System* (New York: Basic Books, 1987), pp. 122-141, 237-261 (chapters 5 and 10).

Joel D. Howell, "Machines and Medicine: Technology Transforms the American Hospital," in Janet Golden and Diana Elizabeth Long, eds., *The American General Hospital. Communities and Social Contexts* (Cornell UP, 1989), pp. 109-134.

Bynum, "The rise of science in medicine, 1850-1913," in Bynum et. al, *The Western Medical Tradition*, pp. 155-165.

George Gray Ward, "Practical Application of Methods of Standardization to the Hospital," *New York Medical Journal*, March 13, 1920.

Charles P. Emerson, MD, "The Hospital As A Health Center," *National Conference of Social Work, Proceedings*, (1926), pp. 105-111.

## April 12 Reform of Medical Education and the New Public Health

Judith Walzer Leavitt, "'Typhoid Mary' Strikes Back: Bacteriological Theory and Practice in Early Twentieth Century Public Health" *Isis* 83 (December 1992), pp. 608-31.

J. Andrew Mendelsohn, "Typhoid Mary Strikes Again: The Social and the Scientific in the Making of Modern Public Health" *Isis* 86 (June 1995), pp. 268-277.

Barbara Gutmann Rosenkrantz, "Cart Before Horse: Theory, Practice and Professional Image in American Public Health, 1870-1920," *Journal of the History of Medicine* 29 (January 1974), pp. 55-73.

Katherine Ott, *Fevered Lives: Tuberculosis in American Culture since 1870* (Cambridge, Mass.: Harvard UP, 1996), pp. 100-110 (chapter 6).

Martin Pernick, "Eugenics and Public Health in American History," *American Journal of Public Health* 87 (1997), pp. 1767-1772.

Tomes, Nancy, "The Private Side of Public Health: Sanitary Sciences, Domestic Hygiene and the Germ Theory 1870-1900" *Bulletin of the History of Medicine* 64 (Winter 1990), pp. 467-80.

Charles V. Chapin, *The Source and Modes of Infection* (New York: John Wiley and Sons, 1910). Read preface to first edition and spend 30 minutes paging through the text.

Abraham Flexner, *Medical Education in the United States and Canada* (New York: Carnegie Foundation for the Advancement of Teaching, 1910). Read pp. 20-27; 42-59, 141-146, 151-155, 178-181, and spend 30 minutes paging through the text.

### **Recommended:**

Christopher Lawrence, "Degeneration Under the Microscope at the Fin de Siècle," *Annals of Science* 66, 4 (October 2009), pp. 455-471.

Susan Solomon, "Social Hygiene and Soviet Public Health, 1928-1932," in Susan Solomon and John Hutchinson, eds., *Health and Society in Revolutionary Russia* (Bloomington: Indiana UP, 1990), pp. 175-199.

William Henry Welch, "Sanitation In Relation to the Poor [1891]," in W.H. Welch, *Papers and Addresses*. Baltimore: The Johns Hopkins Press, 1920, vol. 1, 588-598.

## **April 19    Modernity and Mortality**

Christopher Lawrence, Continuity in crisis: medicine, 1914-1945, in Bynum et. al, *The Western Medical Tradition*, pp. 247-404.

Simon Szreter, "The Importance of Social Intervention in Britain's Mortality Decline c. 1850-1914: A Reinterpretation of the Role of Public Health," *Social History of Medicine* 1, 1 (1988), pp. 1-38.

J. N. Hays, "The Apparent End of Epidemics," in Hays, *The Burdens of Disease: Epidemics and Human Response in Western History* (London, 1998), pp. 240-277.

Anne Hardy, *The Epidemic Streets: Infectious Disease and the Rise of Preventive Medicine, 1856-1900* (Oxford, Clarendon Press: 1993), pp. 211-294 (chapters 8-9).

## **April 26    The Golden Age of Medicine**

Anne Hardy and E. M. Tansey, "Medical enterprise and global response, 1945-2000," in Bynum et. al, *The Western Medical Tradition*, pp. 405-444, 456-459, 462-472, 475-494.

Allan M. Brandt and Martha Gardner, "The Golden Age of Medicine?" in Roger Cooter and John Pickstone, eds., *Medicine in the Twentieth Century* (Netherlands: Harwood, 2000), pp. 21-38.

Charles Webster, "Medicine and the Welfare State, 1930-1970," in Roger Cooter and John Pickstone, eds., *Medicine in the Twentieth Century* (Netherlands: Harwood, 2000), pp. 125-140.

Harry M. Marks, "American Medicine. From 1880 to 1945," in Paul Boyer, ed., *Oxford Companion to United States History* (Oxford: Oxford UP, 2001), pp. 488-489.

Marc Berg, "Turning a Practice into a Science: Reconceptualizing Postwar Medical Practice", *Social Studies of Science*, 25 3(1995): 437-76.

Paul Ehrlich, "Modern Chemotherapy," in *Milestones in Microbiology*, ed. Thomas Brock (Madison: University of Wisconsin Press, 1999), 163-175.

Alexander Fleming, Nobel Prize speech, 1945, at [http://www.nobelprize.org/nobel\\_prizes/medicine/laureates/1945/fleming-lecture.pdf](http://www.nobelprize.org/nobel_prizes/medicine/laureates/1945/fleming-lecture.pdf)



## THE RETURN OF UNCERTAINTY (1975-Present)

### May 3      The Return of Uncertainty

Anne Hardy and E. M. Tansey, "Medical enterprise and global response, 1945-2000," in Bynum et. al, *The Western Medical Tradition*, pp. 478-487, 494-533.

Robert Bud, "From Germophobia to the Carefree Life and Back Again: The Lifecycle of the Antibiotic Brand," in Andrea Tone and Elizabeth Watkins, eds., *Medicalizing Modern America* (New York: New York University Press, 2007), pp. 17-41

Christopher Feudtner, "The Want of Control: Ideas, Innovations and Ideals in the Modern Management of Diabetes Mellitus," *Bulletin of the History of Medicine* 69 (Spring, 1995), pp. 66-90

Jeremy Greene, "The Abnormal and the Pathological: Cholesterol, Statins, and the Threshold of Disease," in Andrea Tone and Elizabeth Watkins, eds., *Medicalizing Modern America* (New York: New York University Press, 2007), pp.183-228.

Katherine Ott, *Fevered Lives: Tuberculosis in American Culture since 1870* (Cambridge, Mass.: Harvard UP, 1996), pp. 156-168 (chapter 9).

Stephen J. Kunitz, "Sex, Race and Social Role: History and the Social Determinants of Health," in Harold Cook, et. al., eds., *History of the Social Determinants of Health: Global Histories, Contemporary Debates* (India: Orient Blackswan, 2009), pp. 119-136.

Harry Marks, "A Conversation with Paul Meier" *Clinical Trials* 1 (2004), pp. 131-138. (at: <http://www.hopkinsmedicine.org/bin/m/b/meier.pdf>)

Paul Farmer, *Infections and Inequalities: The Modern Plagues* (Berkeley, University of California Press, 1999), pp. 37-58 (chapter 2) and 184-210 (chapter 7)

Rachel Nowak, "Problems in Clinical Trials Go Far Beyond Misconduct," *Science* 264 (1994), pp. 1538-1541.

#### **Recommended**

Peter Keating and Alberto Cambrosio, "Beyond 'Bad News': The Diagnosis, Prognosis and Classification of Lymphomas and Lymphoma

Patients in the Age of Biomedicine (1945-1995),” *Medical History* 27 (2003), pp. 291-313.

Ilina Singh, “Bad boys, good mothers and the 'miracle' of Ritalin,” *Science in Context*, 15, 4 (2002), pp. 577-603.