

Contents

Section A: Introduction

Introduction	3
<i>Harry Whitaker, C.U.M. Smith, and Stanley Finger</i>	
Chronology	5
<i>C.U.M. Smith</i>	

Section B: Background

Introduction	13
<i>The Editors</i>	
1: Brain and Mind in the ‘Long’ Eighteenth Century	15
<i>C.U.M. Smith</i>	
2: Enlightening Neuroscience: Microscopes and Microscopy in the Eighteenth Century	29
<i>Brian J. Ford</i>	
3: Corpus Curricula: Medical Education and the Voluntary Hospital Movement	43
<i>Jonathan Reinartz</i>	
4: Some Thoughts on the Medical Milieu in the Last Quarter of the Eighteenth Century as Reflected in the Life and Activities of James Parkinson (1755–1824)	53
<i>Christopher Gardner-Thorpe</i>	

Section C: The Nervous System

Introduction	63
<i>The Editors</i>	
5: John Hunter’s Contributions to Neuroscience	67
<i>James L. Stone, James T. Goodrich, and George R. Cybulski</i>	

6: William Cullen (1710–1790) and Robert Whytt (1714–1766) on the Nervous System	85
<i>Julius Rocca</i>	
7: 1710: The Introduction of Experimental Nervous System Physiology and Anatomy by François Pourfour du Petit	99
<i>Lawrence Kruger and Larry W. Swanson</i>	
8: Irritable Glue: The Haller–Whytt Controversy on the Mechanism of Muscle Contraction	115
<i>Eugenio Frixione</i>	
9: The Taming of the Electric Ray: From a Wonderful and Dreadful “Art” to “Animal Electricity” and “Electric Battery”	125
<i>Marco Piccolino</i>	
10: Luigi Galvani, Physician, Surgeon, Physicist: From Animal Electricity to Electro-Physiology	145
<i>Miriam Focaccia and Raffaella Simili</i>	

Section D: Brain and Behaviour

Introduction	161
<i>The Editors</i>	
11: The Vision of William Porterfield	163
<i>Nicholas J. Wade</i>	
12: David Hartley’s Neural Vibrations and Psychological Associations	177
<i>Robert B. Glassman and Hugh W. Buckingham</i>	
13: Charles Bonnet’s Neurophilosophy	191
<i>Harry A. Whitaker and Yves Turgeon</i>	
14: Swedenborg and Localization Theory	201
<i>Ulf Norrsell</i>	

Section E: Medical Theories and Applications

Introduction	211
<i>The Editors</i>	
15: Neuroscience in the Work of Boerhaave and Haller	213
<i>Peter J. Koehler</i>	
16: Apoplexy: Changing Concepts in the Eighteenth Century	233
<i>Catherine E. Storey</i>	

17: Benjamin Franklin and the Electrical Cure for Disorders of the Nervous System	245
<i>Stanley Finger</i>	
18: <i>Gentleman's Magazine</i> , the Advent of Medical Electricity, and Disorders of the Nervous System	257
<i>Hannah Sypher Locke and Stanley Finger</i>	
19: Therapeutic AtTRACTIONS: Early Applications of Electricity to the Art of Healing	271
<i>Paola Bertucci</i>	
20: John Wesley on the Estimation and Cure of Nervous Disorders	285
<i>James G. Donat</i>	
21: Franz Anton Mesmer and the Rise and Fall of Animal Magnetism: Dramatic Cures, Controversy, and Ultimately a Triumph for the Scientific Method	301
<i>Douglas J. Lanska and Joseph T. Lanska</i>	
22: Hysteria in the Eighteenth Century	321
<i>Diana Faber</i>	

Section F: Cultural Consequences

Introduction	333
<i>The Editors</i>	
23: Technological Metaphors and the Anatomy of Representations in Eighteenth-Century French Materialism and Dualist Mechanism	335
<i>Timo Kaitaro</i>	
24: Explorations of the Brain, Mind and Medicine in the Writings of Jonathan Swift	345
<i>Marjorie Perlman Lorch</i>	
25: Temperament and the Long Shadow of Nerves in the Eighteenth Century	353
<i>George Rousseau</i>	
Index	371