On the Motion of the Heart and Blood in Animals
by William Harvey

CONTENTS.

On the Motion of the Heart and Blood in Animals
by William Harvey ................................................................. 63

Introductory Note ................................................................. 64
Dedication ............................................................................. 65
Introduction ........................................................................... 68
I. The Author’s Motives for Writing............................... 79
II. On the Motions of the Heart, as Seen in the Dissection of Living Animals......................................................... 81
III. Of the Motions of the Arteries, as Seen in the Dissection of Living Animals .......................................................... 84
IV. Of the Motion of the Heart and Its Auricles, as Seen in the Bodies of Living Animals ............................................. 86
V. Of the Motion, Action and Office of the Heart......... 91
VI. Of the Course by Which the Blood Is Carried from the Vena Cava into the Arteries, or from the Right into the Left Ventricle of the Heart ............................................. 95
VII. The Blood Passes Through the Substance of the Lungs from the Right Ventricle of the Heart into the Pulmonary Veins and Left Ventricle.............................. 101
VIII. Of the Quantity of Blood Passing Through the Heart from the Veins to the Arteries; And of the Circular Motion of the Blood ................................................................. 106
IX. That There Is a Circulation of the Blood Is Confirmed from the First Proposition .................................................. 108
X. The First Position: Of the Quantity of Blood Passing from the Veins to the Arteries. And That There Is a Circuit of the Blood, Freed from Objections, and Farther Confirmed by Experiment .............................. 113
CONTENTS.

XI. The Second Position Is Demonstrated......................115
XII. That There Is a Circulation of the Blood Is Shown
    from the Second Position Demonstrated..................122
XIII. The Third Position Is Confirmed: And the
    Circulation of the Blood is Demonstrated from It...124
XIV. Conclusion of the Demonstration of the
    Circulation..................................................................129
XV. The Circulation of the Blood Is Further Confirmed by
    Probable Reasons...........................................................129
XVI. The Circulation of the Blood Is Further Proved from
    Certain Consequences..................................................132
XVII. The Motion and Circulation of the Blood Are
    Confirmed from the Particulars Apparent in the
    Structure of the Heart, and from Those Things Which
    Dissection Unfolds......................................................137

The Three Original Publications on Vaccination
Against Smallpox
by Edward Jenner.................................................................149

Introductory Note.................................................................150
Letter to C.H. Parry, M.D...................................................151
I. An Inquiry Into the Causes and Effects of the Variolæ
    Vaccinæ, Or Cow-Pox. 1798........................................153
II. Further Observations on the Variolæ Vaccinæ, or
    Cow–pox. 1799...............................................................180
III. A Continuation of Facts and Observations Relative to
    the Variolæ Vaccinæ, or Cow–pox. 1800.......................214
CONTENTS.

The Contagiousness of Puerperal Fever
by Oliver Wendell Holmes..............................................233

Introductory Note..........................................................234
I. The Contagiousness of Puerperal Fever......................235
II. Additional References and Cases..............................266

On the Antiseptic Principle of the Practice of Surgery
by Joseph Lister..........................................................269

Introductory Note..........................................................270
On the Antiseptic Principle of the Practice of Surgery (1867)..................................................271

The Physiological Theory of Fermentation
by Louis Pasteur..........................................................283

Introductory Note..........................................................284
Dedication.......................................................................285
Author’s Preface.....287
I. On the Relations Existing Between Oxygen and Yeast.................................................................289
II. Fermentation in Saccharine Fruits Immersed in Carbonic Acid Gas.............................................317
III. Reply to Certain Critical Observations of the German Naturalists, Oscar Brefeld and Moritz Traube.......328
CONTENTS.

IV. Fermentation of Dextro-Tartrate of Lime...............332
V. Another Example of Life Without Air–Fermentation
   of Lactate of Lime..............................................340
VI. Reply to the Critical Observations of Liebig,
   Published in 1870.............................................362

The Germ Theory and its Applications to Medicine and
Surgery
   by Louis Pasteur, Jules Jourbert
   and Charles Chamberland..................................382

On the Extension of the Germ Theory to the Etiology
of Certain Common Diseases
   by Louis Pasteur .............................................390