



(Page numbers of the 1546 edition appear in italic. Bracketed heads do not appear in the 1546 edition.)

Text © Dedicatory Preface by Franciscus Vesalius – 3 Author's Greeting to Joachim Roelants – 11 Occasion for Writing about the China Root – 12 With What Success Many Have Used the China – 12 Description of the China Root – 18 Method of Preparing the China Decoction – 23 Quantity of the First China Decoction to be Administered, and the Time to Give It – 24	ige XV11
Author's Greeting to Joachim Roelants – 11 Occasion for Writing about the China Root – 12 With What Success Many Have Used the China – 12 Description of the China Root – 18 Method of Preparing the China Decoction – 23 Quantity of the First China Decoction to be	1
Occasion for Writing about the China Root – 12 With What Success Many Have Used the China – 12 Description of the China Root – 18 Method of Preparing the China Decoction – 23 Quantity of the First China Decoction to be	5
With What Success Many Have Used the China – 12 Description of the China Root – 18 Method of Preparing the China Decoction – 23 Quantity of the First China Decoction to be	13
Description of the China Root – 18 Method of Preparing the China Decoction – 23 Quantity of the First China Decoction to be	14
Method of Preparing the China Decoction -23 Quantity of the First China Decoction to be	15
Quantity of the First China Decoction to be	22
•	27
Administered and the Time to Give It - 24	
Administred, and the Time to Give it - 27	28
How a Sweat Should Be Induced – 25	29
What Drink Is Useful – 29	33
Sleep and Wakefulness – 29	34
Movement and Rest – 30	34
Concern about Bodily Wastes – 30	34
What Affects of the Mind Are Applicable -31	36
Sexual Activity – <i>31</i>	36
How Long the First Decoction Should Be Used – 32	37



A Method of Preparing and Taking a Second	
Decoction -33	38
A Way of Administering Sparta Parilla – 34	39
Native and Familiar Drugs Should Be Put to Use	
Rather Than Exotics – 36	41
Decoction of Chamaedrys – 36	42
No Small Results Can Be Expected from Genuine	
Rhapontic – 37	43
Hapless People Who Gratify Themselves by Publishing	
Something – 40	46
Occasion for the Letter of Sylvius in Which It Was	
Declared That Nothing Written by Galen Is	
Completely in Error – 41	47
Occasion for the Opinion, Here to Be Recorded, of	
the Letter in Which Vesalius Replied to Sylvius – 45	51
Galen Did Not Dissect Humans, But Teaches the Study	
of Animals Instead of Man – 46	52
A Number of Conjectures from the Bones – 46	53
[Sutures of the Skull] -47	53
[Foramina of the Skull] – 47	54
[Condyles of the Occiput] – 47	55
[Midline of the Mandible] -48	55
[Hyoid Bone] – 48	56
[Seventh Cervical Vertebra: Perforation of	
Transverse Processes] -48	56
[Tenth Thoracic Vertebra] – 48	56
[Processes of the Lower Vertebrae] - 49	57
[Bones of the Sacrum and Coccyx] - 49	58
[The Shape of the Human Sternum] – 52	60
[The Fetal Urachus] – 53	61
[Bony Rib Cartilages] – 53	61
(Whether the Human Heart Has a Bonel - 53	61



[Joint of the Clavicle with the Acromion] – 53 [The os pisiforme and the ramus palmaris	62
nervi ulnaris] – 54	63
Conclusions Drawn about the Fat, Muscles, and	03
Ligaments, Whereby It Is Concluded That Galen	
Did Not Describe the Human Fabric – 55	64
[Subcutaneous Fat and the Fleshy	04
Membrane] – 56	65
[A Muscle Adducting the Arm to the Chest in	03
Caudate Apes] – 57	66
[A Simian Muscle Raising the Scapula] – 57	66
[The m. levator scapulae] -58	67
[Two Muscles of the Head and Neck] – 58	67
[The Second Pair of Muscles Moving the	07
Head] -59	68
[Muscles Moving the Thorax] – 59	69
[Lumbar Muscles] -60	70
[The Tendon Hidden in the Hand] – 60	71
[Muscles that Extend the Forearm] – 62	72
[The Biceps Brachii Muscle] – 62	73
[Muscles Moving the Tibia] – 63	73
[The Tendon Beneath the Sole of the Foot] -64	75 75
[The Tendon of the First Two Tendons Moving	73
the Foot] – 65	76
[The Tendon of the Soleus Muscle] – 65	76
[Three Muscles in the Back of the Tibia] -65	76 76
-	70 77
[The Sixth Muscle Moving the Foot] – 66 [A Flexor of the Toes] – 66	78
[Extensor Muscles of the Toes] -68	78 79
Several Places Taken from the Series of Veins and	19
Arteries in Which It Is Inferred That Galen Did Not	
Dissect Humans – 69	80
Dissect Huilialis – 09	80



Contents

[Veins to the Stomach and the Spleen] -69	81
[Course of the Vena Cava Through the	
Thorax] -70	82
[Course of the Vena Cava Through the Transverse	
Septum] – 71	83
[Procedures in Bloodletting] - 71	83
[Origin of the Unpaired Vein] - 72	84
Galen Did Not See the Inner Veins That Hide Deep in	
the Human Arm -74	87
[Origin of the Humeral Vein] – 75	87
[Further Disputes about the Veins of the	
Arm] - 76	89
Reasons Taken from the Nerves by Which It Is Known	
That Humans Were Not Dissected by Galen – 77	90
Reasons Selected from the Contents of the	
Peritoneum – 78	91
[Connection from the Omentum to the	
Colon] – 79	92
[Curvature and Course of the Colon] - 81	95
[Construction of the Liver] – 81	96
[Two Ligaments Attached to the Liver] - 82	97
[Connection of the Bladder to the	
Peritoneum] – 82	98
[The Site of the Spleen] -83	98
[The Structure of the Penis] -83	98
[The Uterus] – 84	99
[Vessels Inserted into the Neck of the	
Bladder] – 87	103
[Vessels to the Uterus] -87	104
[Size of the Uterus; Length of the Vagina] - 88	105
[Bovine vs. Human Uterus] – 88	105
[Uterine Acetabula] – 89	106
[Fetal Acetabula] – 90	108

viii



Some Conjectures Based upon the Parts That Are	
Contained in the Thorax -90	108
[The Fifth Lobe of the Lung in Galen] – 91	109
[The Wrapping of the Heart; Position of the	
Heart] – 91	109
Reasons Taken from Those Contained in the	
Skull – 92	110
[Position of the Cerebellum] – 92	110
Some Places Where Galen Openly Criticized the	
Ancients Because They Had Dissected Humans and	
Not Apes, as He Did -93	111
Not Everything in His Description of the Parts Was	
Correctly Reported and Described by Galen - 95	115
A Number of Untrue Descriptions in the Bones – 96	115
[Errors of Galen in Describing Joints] – 97	116
[The Ethmoid Bone of the Head] – 98	118
[The Gland That Receives Cerebral	
Phlegm] – <i>99</i>	118
[Depressions and Protrusions in the Skull	
Cavity] - 99	119
[No Bone in the Human Cerebrum] – 99	119
[Bones in the Tympanic Cavity] – 100	119
[Roots of the Teeth] -100	120
[Foramen for the Optic Nerve] – 100	120
[The Reticular Plexus] – 101	121
[Foramen for the Carotid Artery] – 101	121
[Composition of the Upper Maxilla] - 101	121
[Course and Naming of Skull Sutures] - 102	122
[Ossicles of the Hyoid Bone] – 102	122
[Distinction Between Thoracic and Cervical	
Vertebrae] – 102	123
[Attachment of Ribs to Vertebrae] - 102	123
[The Fibula Is Longer than the Humerus] -103	124



[Tubercles at the End of the Humerus] -103	124
[Articulation of the Wrist with the	
Lower Arm] – <i>103</i>	124
[Cartilage at the Wrist] – 104	125
[Similar Cartilaginous Coatings] – 105	126
[Shape of the Digital Bones] – 105	126
[Variations in Joints of the Fingers] -105	127
[Muscle Insertions in the Digital Bones] – 106	127
[Galen's Failure to Find Sesamoid Bones] - 106	128
[Sockets in the Tibia for the Femur] – 106	128
[The Human Foot Compared to Feet of Other	
Animals] -107	128
[Articulation of the Tibia to the Talus in	
Quadrupeds] – 108	129
[Comparative Anatomy of the Elbow Joint] – 109	130
[Comparative Anatomy of the Foot] - 109	131
Several Inaccurate Descriptions Taken from the	
Account of Muscles and Ligaments – 110	131
[Galen's Descriptions of Ligaments and	
Nerves] – 110	132
[Insertion of Nerves into Muscles] - 111	133
[Difference Between Nerves and	
Ligaments] – 111	133
[Fleshy vs. Sinewy Muscle Origins] - 111	134
[Muscles Without Tendons] - 112	134
[Muscles That Do Not Originate from	
Bone] – 112	134
[Number of Common Laryngeal Muscles] – 112	135
[The Pectoralis Minor Muscle] – 113	135
[The Deltoid Muscle of the Arm and	
Chest] – 113	136
[Insertion of the Deltoid Muscle] – 114	137
[The Latissimus Dorsi Muscle] – 114	137



[The Iliocostal Muscle of the Thorax] – 115	138
[Foramina of the Transverse Septum] – 115	138
[Orifices of the Stomach] – 116	139
[Muscles Moving the Back] – 116	139
[Vertebral Ligaments] – 116	140
[Third Wrapping of the Dorsal Medulla] – 117	140
[Tissues Between the Vertebrae] – 117	140
[Adipose Fat in the Hand] – 117	141
[Tendon Flexing the Second Bone of the Four	
Fingers] – 117	141
[Other Flexors of the Fingers and Thumb, and an	
Extensor] -118	141
[Extensors of Fingers Not Always Attached to	
Bones] – 119	142
[A Second Function of the Fleshy Mass Below	
the Little Finger] – 119	143
[Insertion of Tendons Moving Fingers to the	
Sides] – 120	143
[Grooves and Ligaments of the Carpal	
Tunnel] – <i>120</i>	144
[Membrane Covering the Transverse Ligament of	
the Wrist] -120	144
[Inner Beginning of the Anterior Muscle Flexing	
the Forearm] – 121	145
[Muscles Unmentioned by Galen] - 121	145
[Galen's Errors in De Anatomicis	
Administrationibus] – 121	145
Some False Descriptions Gathered from the Account	
of Veins and Arteries – 122	147
[The Vena Cava in the Back of the Liver] - 122	147
[Branches of the Vena Cava Near the Liver] - 123	148
[The Vena Cava Does Not Originate in the	
Liver] – 123	148



[The Vena Cava and the Great Artery] – 124	149
[Galen's False Partition of the Vena Cava] - 124	149
[The Size of the Vena Cava Below the Liver] – 124	150
[The Vena Cava and the Heart] – 126	152
[The Vena Cava and the Arterial Vein] – 126	152
[The Coronary Vein] – 126	152
[Other Errors of Galen Regarding Veins,	
Especially in the Cerebrum] -127	152
Accepted Descriptions in the Account of Nerves	
Which Are Not Quite True – 128	154
[No Foramen in the Optic Nerve] – 129	155
[Nerves Unnoticed by Galen] - 129	155
[Origin of the Dorsal Medulla from the	
Cerebrum] – <i>130</i>	155
Descriptions of the Parts That Are Contained in the	
Peritoneum, Which Are Not Entirely True – 130	156
[Shape and Position of the Stomach] – 131	157
[Galen on the Position of the Lower Orifice of	
the Stomach] – 132	158
[Whether the Fundus of the Stomach Should Be	
Considered More Fleshy] – 132	159
[The Pancreas Does Not Close the Lower Orifice	
of the Stomach] – 133	159
[Fables about Blood Vessels to the Stomach] – 133	160
[Location of the Omentum] – 133	160
[Position of the Colon] – 134	160
[No Vein from the Vena Cava Enters the	
Omentum, Mesentery, or Intestines] – 134	161
[Galen's Errors Regarding the Liver] – 135	161
[No Vein from the Spleen Passes to the Upper	
Orifice of the Stomach] -135	162
[The Search for the Vein from the Spleen] -136	162
[The Left Gastric Vein] – 137	164



Contents

[Construction of the Kidneys] – 138	165
[The Seminal Arteries] – 138	166
[Distribution of the Seminal Vein and Artery in	
the Testicle] -139	166
[The Uterus and the Hymen] – 139	166
[A Nun's Cadaver Brought to Pisa] - 140	167
[A Girl's Body in the Cemetery at Pisa] - 140	168
[A Prostitute's Cadaver Stolen by Students at	
Padua] – <i>141</i>	168
[Post-Mortem Examination of an Eighteen-Year-	
Old Girl in Holland] – 141	169
[Wrappings of the Fetus] – 142	170
Several Untrue Descriptions Gathered from the Parts	
Contained in the Thorax -143	171
[Orifice of the Pulmonary Vein Compared to	
That of the Great Artery] – 144	172
[Galen's Rejection of Statements by the	
Ancients] – 144	172
[Fibers of Membranes Controlling the Orifice of	
the Vena Cava] – 145	173
[Small Glands in the Throat Missed by	
Galen] – 145	173
False Descriptions among the Parts That Are	
Surrounded by the Skull – 145	174
[The Cerebrum Is Single at its Base] – 146	175
[The Dorsal Medulla Is Continuous with the	
Cerebrum] – <i>146</i>	175
[Galen's Errors Regarding the Cerebral	
Ventricles] – 147	175
[Galen's Belief in the Reticular Plexus] - 147	176
Some Places Where It Is Known That Galen Was Not	
Altogether Sound in Assigning the Functions and	
Uses of the Parts – 148	177

xiii



In His Account of the Bones – 149	178
[Where an Epiphysis Does Not Develop] - 149	179
[No Epiphyses on the Vertebrae] - 150	179
[Motion of the Head Over the First Vertebra] – 150	179
[Sylvius as a Professor of Anatomy] – 151	180
[Galen on Motions of the Head] – 152	181
[Self-Contradictions in Galen] – 154	183
[Lateral Movement of the Hand] – 155	184
Several Uses and Functions Not Well Assigned in	
Galen's Account of the Muscles and Ligaments – 156	185
[Galen's Inconsistency on the Function of the	
Eyelid Muscles] – 156	186
[Galen on the Muscles of the Eye] - 157	186
[Colors in the Uveal Tunic] – 158	188
[Galen on the Temperaments of the Eyes] – 158	188
[Human Muscles Unknown to Galen] - 158	189
[Muscles and Actions Misunderstood by	
Galen] – <i>159</i>	189
[The Intercostal Muscles, Unknown by	
Galen] – 161	191
[Galen's Inattention to Muscles Moving	
the Back, and Other Muscles] - 162	193
[Pronation and Supination of the Wrist] - 164	194
[Muscle Controlling the Neck of the	
Bladder] – <i>165</i>	195
[Muscles Moving the Lower Leg] – 166	196
[The Popliteal Muscle] – 169	199
Places Collected from the Description of Veins,	
Arteries, and Nerves Where It Is Known That	
Galen Consistently Assigned Incorrect Uses and	
Actions – 169	200
[Motor vs. Sensory Nerves] – 170	201
[The Flow of Humors in the Nerves] -171	202



A Description of Some Things That Are Contained in	
the Peritoneum – 171	203
[An Alleged Function of the Pancreas] - 172	203
[How the Upper Orifice of the Stomach Is	
Closed] – 172	204
[Function of the Spleen] – 172	204
[The Death of Marcantonio Belloarmto of	
Siena] – 173	205
[Post-Mortem Examination of Prospero	
Martello] -175	207
[Post-Mortem Examination of Seigneur de	
Hallewyn] – 176	208
[Sylvius' Galenism] – 177	208
[Ioannes Eck's Complaint] – 177	209
[Ioannes Dryander's Publications] – 178	209
[The Quarrel of Cornarius and Fuchs] - 179	210
[Galen on Vessels Delivering Material to the Left	
Testicle] – 179	211
From the Description of Parts Located in the Thorax	
and Skull – 180	211
Some Invalid Anatomical Proofs of Galen Are	
Mentioned – 181	213
[Galen on the Origin of Veins] - 182	213
[Galen on Plants and Seeds] – 182	214
[Galen on the Vena Cava] – 184	216
[Blood Vessels Connected to the Heart] - 185	218
[Galen on the Right Ventricle of the Heart] - 186	218
[Not All Veins Are Connected to the Liver] – 187	219
[The Umbilical Vein] – 188	220
[The Venous Artery and the Vena Cava] - 188	220
[Topics to Be Passed Over Here] – 188	221
[The Relative Positions of the Left and Right	
Kidneys] – 189	221



[The Glandular Attendants Do Not Produce	
Semen] – 190	223
[Location of Human Breasts, and the Effect of	
Monthly Purgations] – 190	223
[Veins Between the Breasts and the Uterus] – 191	224
How Useful the Annotations of Vesalius Have Been in	
Galenic Anatomy, and How Little They Are to Be	
Needed Hereafter – 192	225
[On Annotating Galen] – 193	225
[Writings Which I Destroyed] – 195	229
[Commentaries on Rhazes] – 196	230
[The Usefulness of Comments on Galen] – 197	230
[The Folly of Condensing Others' Writings] – 199	232
Preface to an Italian Treatise on Use of the	
China Root Decoction] – 200	235
Method of Administering the Water of the China	
Root - 201	236
Prosopography of Early Modern Persons	
Mentioned in the China Root Letter	239
Bibliography	243
Vesalius' Index of Words and Subjects	247