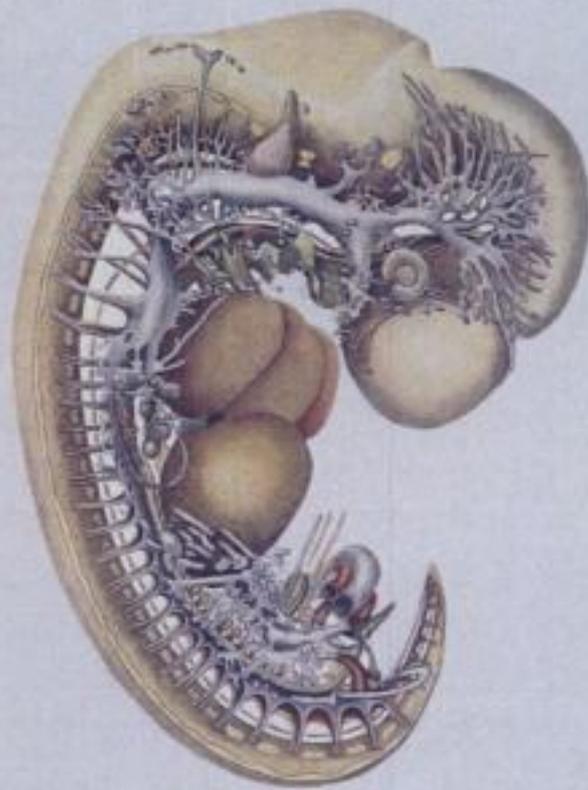


# The Ontogenetic Basis of Human Anatomy

A Biodynamic Approach  
to Development from  
Conception to Birth



Erich Blechschmidt

Edited and Translated by Brian Freeman

The Ontogenetic Basis of Human Anatomy: A Biodynamic Approach to Development from Conception to Birth, Erich Blechschmidt, North Atlantic Books, 2004, 155643507X, 9781556435072, 255 pages. This book presents an anatomical overview of the changing form and structure of the human body. Although biomechanical embryology can be traced back to the 19th century, up until recently the most commonly accepted framework for the study of human ontogeny (development of the individual) was molecular biology, which all too frequently relied on findings from animal experiments that remained untested for humans. German embryologist and anatomist Erich Blechschmidt's research concentrates on the evidence presented by the human embryo itself. He offers a new approach to the study of early human growth as a way to shed light on the development of body build, instincts, gestures, language, mathematics, tools, and dress..

Cummings Otolaryngology Head And Neck Surgery, Charles William Cummings, Bruce H. Haughey, M.D., J. Regan Thomas, Lee A. Harker, 2005, Medical, 321 pages. More than 1,500 multiple-choice questions challenge readers' mastery of all of today's essential knowledge in otolaryngology. Every bit as authoritative and state-of-the-art as ....

Human Anatomy , E. Marshall Johnson, Eldra P. Solomon, William Davis, Feb 1, 1985, , 800 pages.

Stillness Biodynamic Cranial Practice and the Evolution of Consciousness, Charles Ridley, 2006, Medical, 241 pages. "A guide for practitioners by a professional known for non-medical biodynamic therapy synthesized from the craniosacral tradition and contemporary understandings of mind-body ....

Developmental anatomy , , 1931, , . .

Human embryology a regional approach, M. J. T. Fitzgerald, 1978, Medical, 205 pages. .

Foundations of animal development , Arthur F. Hopper, Nathan H. Hart, May 16, 1985, , 595 pages. Thoroughly updated and revised, the new edition of this well-received intermediate-level text integrates descriptive, experimental and molecular approaches to developmental ....

Die Kathodenzerstrbung in Abhngigkeit von den Betriebsbedingungen , Erich Blechschmidt, 1926, , 44 pages. .

Essentials of Human Anatomy & Physiology , Elaine Nicpon Marieb, 2009, Human anatomy, 632 pages. Now in its ninth edition, this text continues to set the standard for short-course A&P texts with an enhanced media package, an updated art program, and new active learning ....

Crystals, Fabrics, and Fields Metaphors That Shape Embryos, Donna Jeanne Haraway, Feb 12, 2004, , 256 pages. Acclaimed theorist and social scientist Donna Jeanne Haraway uses the work of pioneering developmental biologists Ross G. Harrison, Joseph Needham, and Paul Weiss as a ....

Lehrbuch der Entwicklungsgeschichte , Hermann Triepel, 1917, , 224 pages. .

This book presents an anatomical overview of the changing form and structure of the human body. Although biomechanical embryology can be traced back to the 19th century, up until recently the most commonly accepted framework for the study of human ontogeny (development of the individual) was molecular biology, which all too frequently relied on findings from animal experiments that remained untested for humans. German embryologist and anatomist Erich Blechschmidt's research concentrates on the evidence presented by the human embryo itself. He offers a new approach to the study of early human growth as a way to shed light on the development of body build, instincts, gestures, language, mathematics, tools, and dress.

Erich Blechschmidt was an anatomist and embryologist who worked for more than forty years on the problem of human form and the way that form arises in the course of ontogeny, principally during the

first eight weeks or so after conception. He has provided us with more than 120 scientific papers and numerous books concerning the development of human form and function. One unique aspect of Blechschmidt's research is that it concentrates on the evidence presented by the human embryo itself, in the form of a comprehensive collection of about 200,000 serial sections of embryos at different ages and sixty-four enlarged total reconstructions at the University of Göttingen (The Blechschmidt Collection and Museum). The sustained investigation of this wealth of material led to a totally new way of looking at early human development, which compels us to re-think older interpretations based mainly on phylogenetic or molecular biological studies. It is possible to see how adult functions arise naturally and consistently from the embryo's earlier growth functions. This present book is a condensation of many of these findings and a presentation of the new viewpoint.

adjacent amniotic amniotic sac anatomy anlage aorta arise Arrows with cross-tails artery axial process becomes biodynamic blastocyst blastomeres Blechschmidt blood vessels body sac body wall bone brain Carnegie Stage cartilage cartilaginous cells cerebral hemisphere chorionic sac coelom conceptus connective tissue contusion field Converging double arrow dendrites densation field detractor field developmental movements differentiation dilation fields dorsal dura ectoblast ectoderm embryo endoblast endocyst disc endoderm epithelium fibers flexion flexor fluid folds foregut formation gland growing head region heart inner tissue intercellular intestinal lateral layer limiting tissue liver long embryo long human embryo lumen membrane mesoblast mesoderm metabolic fields metabolic movements muscle musculature nerve neural groove neural tube neurites nutrients ontogeny optic vesicle organs otic ovum piston-like growth placode restraining function skeleton skin so-called somite spinal cord stippled stroma structure suction field surface growth Tailed arrow thickening tion umbilical vascular ventral vertebral column visceral arches yolk sac zone

This is a highly technical book but intriguing to me because it explores the notion that ontogeny precedes phylogeny, through the lens of embryology. By looking closely at stages of embryological growth, we can better understand our own origins, our cycles of embodiment and transformation, the patterns of fluid potency that still unfold within us. I hope that through a better understanding of the origins of manifestation and how the fluid body is involved in our manifestation, I'll have a better...more This is a highly technical book but intriguing to me because it explores the notion that ontogeny precedes phylogeny, through the lens of embryology. By looking closely at stages of embryological growth, we can better understand our own origins, our cycles of embodiment and transformation, the patterns of fluid potency that still unfold within us. I hope that through a better understanding of the origins of manifestation and how the fluid body is involved in our manifestation, I'll have a better felt sense for detecting various fluid tides in people during bodywork sessions.(less)

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