

## Features:

- Guides you **month by month and stage by stage** through embryo and fetal organ and systems development, using full-color photographs of clinical cases, relevant modern medical imaging, and numerous high-quality supportive figures.
- Covers **timely topics** such as signaling pathways used during development, epigenetics, gene editing and CRISPR/Cas9 technology, reproductive in-vitro technology, stem-cell culture and creation and use of human organoids and early embryoids, morphogens, new teratogens (infections and environmental chemicals), and clinical genetics of common birth defects.
- Emphasizes **modern clinical imaging techniques**, with many new 3D HD color rendered images of embryos and fetuses, 3D constructions of whole embryos, and imaging updates to sections on the head and neck, genitourinary system, ovarian development, nervous system, eyes, and integumentary system.
- Details how **molecular biology** has affected clinical practice, including techniques such as recumbent DNA technology and stem cell manipulation.
- Contains **clinical “Blue Boxes” cases** with answers to questions, numerous illustrations, crisp medical imaging figures, and many clinical photographs.
- Provides **clinically-oriented problems for each chapter**, with corresponding answers and explanations designed to facilitate discussion and learning. In addition, **multiple-choice questions and answers** are available online for supportive self-assessment.
- Features **18 outstanding, narrated, full-color animations** to help you as you explore and learn the complexity of embryological development.
- Provides the **knowledge base needed for today's examinations**, including USMLE Step 1, as well as for future clinical practice.
- **An eBook version is included with purchase.** The eBook allows you to access all of the text, figures and references, with the ability to search, customize your content, make notes and highlights, and have content read aloud.

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- 2 First Week of Human Development
- 3 Second Week of Human Development
- 4 Third Week of Human Development
- 5 Fourth to Eighth Weeks of Human Development
- 6 Fetal Period: Ninth Week to Birth
- 7 Placenta and Fetal Membranes
- 8 Body Cavities, Mesenteries, and Diaphragm
- 9 Pharyngeal Apparatus, Face, and Neck
- 10 Respiratory System
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20 Human Birth Defects  
21 Common Signaling Pathways Used During Development

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