

*COLLOQUIUM SERIES ON  
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# **Molecular Basis of Developmental Anomalies of the Human Gastrointestinal Tract**

**Charles Shaw-Smith**




MORGAN & CLAYPOOL LIFE SCIENCES

# Molecular Basis Developmental Anomalies

## Gastrointestinal

**Zongxin Ling, Qixiao Zhai, Liwei  
Xie, Tingtao Chen**



## **Molecular Basis Developmental Anomalies Gastrointestinal:**

Molecular Basis of Developmental Anomalies of the Human Gastrointestinal Tract Charles Shaw-Smith, 2015-12-01

Current knowledge of the etiology of congenital malformations of the human gastrointestinal tract is covered in this book prefaced by some introductory notes on embryological development Malformations involving the esophagus stomach small and large intestine anus and rectum pancreas and hepato biliary system are covered There is a focus on covering those malformations for which a molecular genetic etiology is understood but other causations including environmental exposures twinning and unknown etiology are also included For completeness some disorders are included which are not strictly malformations or which do not strictly involve the gastrointestinal tract Such disorders include Hirschsprung disease congenital diaphragmatic hernia omphalocele and gastroschisis Suggested approaches to clinical evaluation of individuals with gastrointestinal malformations are included

**Molecular Basis of Developmental Anomalies of the Human Gastrointestinal Tract** Charles Shaw-Smith, 2015-12-01 Current knowledge of the etiology of congenital malformations of the human gastrointestinal tract is covered in this book prefaced by some introductory notes on embryological development Malformations involving the esophagus stomach small and large intestine anus and rectum pancreas and hepato biliary system are covered There is a focus on covering those malformations for which a molecular genetic etiology is understood but other causations including environmental exposures twinning and unknown etiology are also included For completeness some disorders are included which are not strictly malformations or which do not strictly involve the gastrointestinal tract Such disorders include Hirschsprung disease congenital diaphragmatic hernia omphalocele and gastroschisis Suggested approaches to clinical evaluation of individuals with gastrointestinal malformations are included

Odze and Goldblum Surgical Pathology of the GI Tract, Liver, Biliary Tract and Pancreas E-Book Robert D. Odze, John R. Goldblum, 2022-06-21 Unparalleled in scope and content Surgical Pathology of the GI Tract Liver Biliary Tract and Pancreas provides the most relevant and up to date clinical etiologic molecular and therapeutic management information for surgical pathologists in training and in practice The fully revised 4th Edition of this award winning title offers a wealth of information in this fast changing field including recent advances in molecular biology and immunohistochemistry in a clearly written well structured manner that is easy to read and navigate This one stop reference for the entire gastrointestinal system enables you to improve turnaround time when diagnosing a specimen and to clearly report on the prognosis and therapeutic management options to surgical and medical colleagues Covers the latest developments in molecular technologies and immunohistochemical markers to provide useful diagnostic and prognostic information and inform therapeutic decisions Provides all the necessary tools to make a comprehensive diagnostic workup including data from ancillary techniques and molecular findings whenever appropriate Incorporates more than 3000 high quality color illustrations to help you recognize and diagnose any tissue sample under the microscope Reviews next generation sequencing NGS to help identify targetable

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*Morson and Dawson's Gastrointestinal Pathology* Adrian C. Bateman, Joel K. Greenson, Gregory Y. Lauwers, Maurice B. Loughrey, Marco R. Novelli, Kieran Sheahan, Neil A. Shepherd, 2024-10-21 The gold standard in gastrointestinal pathology textbooks returns More than 34 million Americans suffer from pathologies of the digestive system with over 20 million of these disorders chronic Treatment of these patients is a complex multidisciplinary area of clinical medicine drawing upon expertise not only from specialist gastroenterologists but also pathologists immunologists endoscopists and more Morson Dawson s Gastrointestinal Pathology has long set the standard for pathology textbooks with its distinctive balance of clinical gastroenterology and pathology Now fully updated to reflect the latest research in this vital field of medicine it promises to bring this subject to a new generation of clinicians and

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