

1. Record Nr.	UNINA9911019687103321
Autore	Gress Frank G
Titolo	Endoscopic Ultrasonography
Pubbl/distr/stampa	Newark : , : John Wiley & Sons, Incorporated, , 2024 ©2024
ISBN	9781119697893 1119697891 9781119697909 1119697905
Edizione	[4th ed.]
Descrizione fisica	1 online resource (316 pages)
Altri autori (Persone)	SavidesThomas J
Disciplina	616.07/543
Soggetti	Endoscopy Ultrasonics in medicine
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Cover -- Title Page -- Copyright -- Contents -- List of contributors -- Preface -- Acknowledgments -- Chapter 1 A history of endoscopic ultrasonography -- PART 1. Early history (edited by Michael Wallace) -- Acknowledgments -- Reference -- Chapter 2 Basic principles and fundamentals of EUS imaging -- How US images are made -- How US waves are made -- What happens when US waves encounter tissue -- How images are made from reflected US waves -- How transducer properties affect the image -- US frequency and axial resolution -- Transducer size and lateral resolution -- Attenuation and tissue penetration -- How tissue properties affect images: the GI wall -- Frequency dependence -- Specular and nonspecular reflectors -- Nonspecular reflectors (scatterers) -- Specular reflectors (interface echoes) -- Detection of tissue movement: doppler imaging -- New techniques in EUS imaging -- Contrastenhanced EUS imaging -- Elastography -- Imaging artifacts
Sommario/riassunto	This comprehensive guide, edited by Frank G. Gress and Thomas J. Savides, provides an authoritative exploration of endoscopic ultrasonography (EUS), a crucial tool in the diagnosis and management of gastrointestinal (GI) disorders. The fourth edition includes new

chapters focusing on therapeutic procedures using metal stents, emphasizing a practical 'how-to' approach for GI endoscopists. With contributions from esteemed experts in the field, the book traces the history of EUS from its inception in the 1980s to its current status as an indispensable technology in GI medicine. It aims to enhance the training and dissemination of EUS knowledge, improve clinical practice, and support ongoing research. The text is intended for medical professionals interested in understanding and utilizing EUS in their practice.
