

Journal of Digestive Endoscopy

Official Publication of Society of Gastrointestinal Endoscopy of India

Editor-in-Chief

Dr. Mahesh Kumar Goenka
Department of Gastroenterology,
Apollo Gleneagles Hospital,
Kolkata, India

Editor Emiretus

Dr. S. A. Zargar
Department of Gastroenterology
Bismillah Gastro Centre, Srinagar, India

Dr. Rakesh Kochhar
Department of Gastroenterology
Post Graduate Institute of Medical
Education and Research (PGIMER),
Chandigarh, India

Senior Editors (Sectional)

Dr. Uday Chand Ghoshal (Luminal)
Department of Gastroenterology
Sanjay Gandhi Post Graduate
Institute of Medical Sciences,
Lucknow, India

Dr. Rajesh Puri (Pancreaticobiliary)
Department of Gastroenterology
Medanta - The Medicity Hospital,
Gurugram, India

Dr. Surinder Singh Rana (EUS)
Department of Gastroenterology,
Post Graduate Institute of Medical
Education and Research (PGIMER),
Chandigarh, India

Video Section

Dr. Amol Bapaye
Department of Gastroenterology
Deenanath Mangeshkar Hospital and
Research Center,
Pune, India

Dr. Dandothkar Bhageerath Raj
Department of Gastroenterology,
Apollo Gleneagles Hospital,
Kolkata, India

Editors

National Editors

Dr. Govind Makharia
Department of Gastroenterology,
All India Institute of Medical Sciences
(AIIMS)
New Delhi, India

Dr. Virendra Singh
Department of Hepatology,
Post Graduate Institute of Medical
Education and Research (PGIMER),
Chandigarh, India

Dr. Sandeep Nijhawan
Department of Gastroenterology,
Sawai Man Singh Medical
College and Hospitals, Jaipur, India

Dr. Mathew Philip
Department of Gastroenterology,
Lisie Hospital, Kochi, India

Dr. Praveer Rai
Department of Gastroenterology
Sanjay Gandhi Post Graduate
Institute of Medical Sciences, Lucknow,
India

Dr. Sundeep Lakhtakia
Department of Gastroenterology
Asian Institute of Gastroenterology,
Hyderabad, India

Dr. Vineet Ahuja
Department of Gastroenterology,
All India Institute of Medical Sciences
(AIIMS)
New Delhi, India

Dr. Manu Tandan
Department of Gastroenterology
Asian Institute of Gastroenterology,
Hyderabad, India

Dr. Saurabh Mukewar
Department of Gastroenterology
Weill Cornell Medical College/
New York Presbyterian
Hospital, New York, NY, USA

Dr. Sudipta D Chowdhury
Department of Gastroenterology
Christian Medical College,
Vellore, India

Dr. Vikas Singla

Department of Gastroenterology
Sir Ganga Ram Hospital,
New Delhi, India

Dr. Vinay Dhir

Department of Gastroenterology
Institute of Digestive and Liver Care,
Mumbai, India

Dr. Manoj Sahu

Department of Gastroenterology
Ims & Sum Hospital,
Bhubaneswar, India

Dr. Usha Goenka

Department of Radiology,
Apollo Gleneagles Hospital, Kolkata,
India

International Editors

Dr. Prateek Sharma

Department of Gastroenterology
Kansas University Medical Center,
Kansas City, MO, USA

Dr. Shyam Sundar Varadarajulu

Department of Gastroenterology
Advent Health Orlando,
Orlando, FL, USA

Dr. Nalini Guda

GI Associates,
Milwaukee, WI, USA

Dr. Fabian Emura

Department of Gastroenterology
Universidad de La Sabana, Bogota

Dr. Anthony Teoh

Department of Gastroenterology
The Chinese University of Hong Kong,
Hong Kong

Dr. Mostafa Ibrahim

Department of Gastroenterology
Theodor Bilharz Research Institute,
Cairo

Dr. Manoop Bhutani

Department of Gastroenterology,
Hepatology & Nutrition,
The University of Texas MD Anderson
Cancer Center,
Houston, TX, USA

Advisory Board

National Advisory Board

Adarsh Chaudhary

Department of Gastrointestinal
Surgery
Medanta The Medicity Hospital,
Gurugram, India

Dr. D. N. Reddy

Department of Gastroenterology
Asian Institute of Gastroenterology,
Hyderabad, India

Dr. T.S. Chandrasekar

Department of Gastroenterology
Medindia Hospitals,
Chennai, India

Dr. Ajay Kumar

Department of Gastroenterology
BLK Super Speciality Hospital,
New Delhi, India

Dr. Ashok Chako

Department of Gastroenterology
Madras Medical Mission, Chennai,
India

Dr. G.V. Rao

Department of Surgical
Gastroenterology
Asian Institute of Gastroenterology,
Hyderabad, India

Dr. Pramod Garg

Department of Gastroenterology,
All India Institute of Medical Sciences
(AIIMS) New Delhi, India

Dr. Randhir Sud

Department of Gastroenterology
Medanta The Medicity Hospital,
Gurugram, India

Dr. Amit Maydeo

Department of Gastroenterology
Global Hospital, Mumbai, India

International Advisory Board

Dr. Nimish Vakil

Department of Gastroenterology
Aurora Sinai Medical Center,
Milwaukee, WI, USA

Dr. J. H. Moon

Department of Gastroenterology
Soon Chun Hyang University, Seoul,
Korea

Dr. H Neuhaus

Department of Gastroenterology
Evangelisches Krankenhaus Düsseldorf,
Düsseldorf, Germany

Dr. Guido Costamagna

Department of Surgery and
Digestive Endoscopy
Università Cattolica del Sacro Cuore,
Italy

Dr. Kulwinder Dua

Department of Gastroenterology
Medical College of Wisconsin,
Milwaukee, WI, USA

Assistant Editors

Dr. Vijay Kumar Rai

Department of Gastroenterology,
Apollo Gleneagles Hospital,
Kolkata, India

Dr. Yogesh Harwani

Department of Gastroenterology
Noble Gastro Hospital, Ahmedabad,
India

Editorial Assistants

Dr. Shivaraj Afzalpurkar

Department of Gastroenterology,
Apollo Gleneagles Hospital,
Kolkata, India

Dr. Madhurima Chakraborty

Department of Gastroenterology,
Apollo Gleneagles Hospital,
Kolkata, India

Governing Council
Society of Gastrointestinal
Endoscopy of India

President

Mathew Philip

President Elect

Vinay Dhir

Vice-President

Satish Midha

Hon. Secretary

Sundeep Lakhtakia

Jt. Secretary

Rajesh Puri

Treasurer

Mohan Ramchandani

Members

(2019-2021)

B Ramesh Kumar

Manoj Kumar Sahu

Sandeep Nijhawan

(2020-2022)

Praveer Rai

Sunil Kumar Dadhich

Sunil Jain

Co-opted (2020-2021)

Pramod Garg

Prachi S Patil

Ajay Jain

Past Presidents

Vipulroy Rathod

G.N. Ramesh

S.P. Misra

Ex-Officio

Govind Makharia (ISG)

Kaushal Madan (INASL)

SGEI National Advisory Board
(2018-2023)

D.N. Reddy

Randhir Sud

Mahesh Goenka

Showkat Zargar

Vipulroy Rathod

©2020 Society of Gastrointestinal Endoscopy of India. All rights, including the rights of publication, distribution, and sales, as well as the right to translation, are reserved. No part of this work covered by the copyrights hereon may be reproduced or copied in any form or by any means – graphic, electronic, or mechanical, including photocopying, recording, taping, or information and retrieval systems – without written permission of the publisher.

Journal of Digestive Endoscopy is published 4 times a year in January, April, July, and September by Thieme Medical and Scientific Publishers Private Limited, A – 12, Second Floor, Sector – 2, Noida - 201301, Uttar Pradesh, India. Tel: +91-120-4556600, Fax: +91-120-455-6649.

Subscription: Open access journals available online for free at <http://open.thieme.com>.

Advertisers contact: Marketing, Thieme Publishers Delhi, A-12, Second Floor, Sector -2, Noida-201301, Uttar Pradesh, marketing@thieme.in.

Journal of Digestive Endoscopy is indexed in PubMed, PubMed Central, Scopus, Index Copernicus, DOAJ. Thieme Medical Publishers is a member of the CrossRef initiative.

Editorial comments should be sent to journals@thieme.com. The content of this journal is available online at www.thieme-connect.com/Products. Visit our Web site at www.thieme.com and the direct link to this journal at www.thieme.com/jde.

Typesetting: DiTech Process Solutions Pvt. Ltd. Mumbai, India

Printing and Binding: Avantika Printers Pvt. Ltd.

Printed in India