

GENDAI-IGAKU

(The Current Medicine)

Vol. 73 No. 1

June 2026

CONTENTS

—SYMPOSIUM—

- 1 Regional Healthcare Vision Toward 2040 – Focusing on Emergency Care for Older Adults – :
K. Ito, et al.

—SPECIAL FEATURES : Next-Generation Rehabilitation Treatment Strategy—

- 17 Introduction : T. Ogawa
19 Rehabilitation Treatment Strategies in Acute Care : T. Hashizume
25 Rehabilitation Strategies for Neuromuscular Diseases: Current Concepts and Future Perspectives : Y. Ueki
29 Rehabilitation for Hand Surgery : H. Okamoto, et al.
33 Next-Generation Rehabilitation Strategies for Disorders : Therapeutic Approaches based on
Neuroplasticity and Brain Network Models : T. Kimura
37 Next-Generation Rehabilitation Strategies in Bone and Soft Tissue Tumors : Y. Nishida
41 Rehabilitation Strategies for Internal Organ Disorders : H. Maeguchi, et al.
44 Rehabilitation Strategies for Spinal Cord Injury : D. Matsuura
47 Treatment Strategies for Robot-Assisted Rehabilitation : S. Hirano, et al.
51 Practical Therapeutic Strategies for Dysphagia Rehabilitation : K. Aoyama

—SPECIAL FEATURES : Intestinal Environment and Diseases—

- 55 Introduction : M. Hirayama
57 Neurological Disorders and the Gut Microbiome : M. Hirayama
62 The Gut Microbiome and Dementia: Dietary Patterns for Prevention : N. Saji
66 The Relationship Between Sarcopenia, Frailty, and Gut Microbiota : R. Amamoto, et al.
70 Small Intestinal Bacterial Overgrowth (SIBO) and the Gut Microenvironment : K. Maeda
74 Association Between Inflammatory Bowel Disease and the Gut Microbiota: Focus on the *nanA* Gene :
M. Nagasaka
79 Chronic Kidney Disease and the Gut Microenvironment : T. Kosugi, et al.
83 Importance of Intestinal Microenvironment in Highly Invasive Gastrointestinal Surgery : Y. Yokoyama

—CLINICAL TOPICS—

- 91 Rationale of Treatment Selection for Pediatric Scoliosis Considering the Long-Term Course -
Characteristics of Treatment for Spinal Disorders and the Importance of Professionalism - : S. Kaneko
96 Current Status and Challenges of HIV Infection in Aichi: The Importance of Considering HIV : M. Imahashi
101 Current Perspectives on Surgical Indications and Procedure Selection for Congenital Coronary Artery
Anomalies: Focus on Anomalous Aortic Origin of a Coronary Artery from the Opposite Sinus : H. Sakurai
107 Updates on Definitive Radiation Therapy for Cervical Cancer : H. Uezono
112 Current Status of Kidney and Pancreas Transplantation in Japan : T. Ito
119 The Future of Robot-Assisted Urologic Surgery : From Telesurgery to Surgical Autonomy and Data-
Driven Surgery : K. Takahara
123 Oral Appliance Therapy and Orthognathic Surgery for Adult Obstructive Sleep Apnea :Treatment
Selection from an Anatomical Perspective : A. Furuhashi

—FROM PATHOLOGY PRACTICE—

- 128 An Autopsy Case of Long-Standing Takayasu Arteritis with Excessive Vascular Calcification and
Circulatory Failure : K. Kobayashi, et al.

—FROM EMERGENCY MEDICAL CARE PRACTICE—

- 134 Offshore Emergency Medical Services : Y. Goto

—GRAPHS—

- 138 Abdominal Imaging Diagnosis of Acute Abdomen: Acute Cholecystitis : K. Yamamoto

—OPINION—

- 144 Intervention for Unilateral Hearing Loss: Recent Advances : M. Sone
146 Diagnosis of Infectious Keratitis and AI : K. Hirano