

Semi-official Organ
of Japanese Society of Anesthesiologists

Masui

THE JAPANESE JOURNAL OF ANESTHESIOLOGY

Vol. 75 No. 1 January 2026

EDITORS

Kazuo Hanaoka, M.D. (JR Tokyo General Hospital)

Yoshitsugu Yamada, M.D. (International University of Health and Welfare, Mita Hospital)

Hirotsugu Okamoto, M.D. (School of Medicine, Kitasato University)

Tomoyuki Kawamata, M.D. (School of Medicine, Wakayama Medical University)

Satoki Inoue, M.D. (School of Medicine, Fukushima Medical University)

Moritoki Egi, M.D. (Graduate School of Medicine, Kyoto University)

CONTENTS

■ CURRENT OPINION

Anesthesiologists in Team-based Medicine*Tomoyuki Nakamura* 1

SPECIAL ISSUE

Perioperative Mechanical Ventilation has Evolved from Simple Oxygenation Support to a Strategy Aimed at Minimizing Ventilator-Associated Lung Injury

Perioperative Mechanical Ventilation has Evolved from Simple Oxygenation Support to
a Strategy Aimed at Minimizing Ventilator-Associated Lung Injury : Preface and Comments
.....*Uchida, K.* 2

Lung-Protective Ventilation Strategies : From ARDS to the Operating Room·····	<i>Yawata, S., et al.</i>	5
Driving Pressure and Transpulmonary Pressure in Perioperative Mechanical Ventilation : From Theory to Practice·····	<i>Saito, T., et al.</i>	13
Effort-dependent Lung Injury and the Pendelluft Phenomenon : Perioperative Physiology and Clinical Applications·····	<i>Yoshida, Y., et al.</i>	21
Is Intraoperative Mechanical Power a Predictor of Postoperative Pulmonary Complications? Overview, Perioperative Evidence, and Issues Regarding Mechanical Power·····	<i>Moroishi, K., et al.</i>	31
Electrical Impedance Tomography (EIT) : Applications in Postoperative Ventilation and Its Relationship with Postoperative Prognoses·····	<i>Iwata, H.</i>	43

■ SHORT REPORTS

A Case of Pulmonary Alveolar Proteinosis with Low Cardiac Function Treated with Whole Lung Lavage with the Introduction of Extracorporeal Membrane Oxygenation under Awake Conditions·····	<i>Yamamoto, T., et al.</i>	49
Postoperative Respiratory Failure Diagnosed as Amyotrophic Lateral Sclerosis after Surgery : A Case Report·····	<i>Takahashi, S., et al.</i>	54
A Surgical-field Fire Caused by an Ethanol-Based Antiseptic During Battery-Powered Cautery ·····	<i>Koizumi, H., et al.</i>	59

Kokuseido Publ. Co., Ltd.

(23-5-202, Hongo 3-chome, Bunkyo-ku, Tokyo, 113-0033 Japan)