

KOKYU TO JUNKAN

(Respiration and Circulation)

Vol. 63

No. 12

December 2015

Advisory Editors

Takashi Horie, Toru Izumi, Ryoza Nagai, Yasuyo Ohta, Satoshi Ogawa, Kunio Suwa

Editors

Keiichi Fukuda, Shu Hashimoto, Atsushi Hirayama, Issei Komuro,
Michiaki Mishima, Koichiro Tatsumi

Associate Editors

Makoto Akaishi, Motoki Ohe, Masafumi Kitakaze, Shinichiro Koyama,
Kiyoshi Nakazawa

CONTENTS

Foreword *Akira Watanabe*·····1135

Special Issue : Practical Realization of Sirolimus in the LAM Treatment

The Epidemiology and the Clinical Picture of Lymphangioleiomyomatosis in Japan

..... *Mie Hayashida*·····1137

Difficulty in Developing New Drugs for Rare Diseases—A New Paradigm against

Market Fundamentalism *Koh Nakata*·····1143

The Mechanism of Sirolimus to Suppress the Progression of Lymphangioleiomyomatosis

..... *Kuniaki Seyama*·····1151

Long Term Effects of Sirolimus for LAM *Yoshikazu Inoue*·····1155

Sirolimus- and Everolimus-induced Lung Injury *Hiroshi Ishii, Kentaro Watanabe*·····1161

Prevention and Care Management of Stomatitis in Patients Treated with Sirolimus

..... *Nobutaka Kitamura, et al*·····1167

Sirolimus Adverse Effects and Their Management *Toshinori Takada*·····1177

Review

Introduction to Health Informatics *Takeo Nakayama*·····1183

Takayasu Arteritis *Daisuke Tezuka, Mitsuaki Isobe*·····1191

Bedsides Teaching

Advance in Cardiac CT *Yoshitake Yamada, et al*·····1199

Gut Microbiota and Atherosclerosis *Takuo Emoto, et al*·····1209

Current Opinion

Prone Position in Acute Respiratory Distress Syndrome : Implication of recent studies

..... *Seishiro Marukawa*·····1217

New Horizon in Cardioprotection against Myocardial Ischemia/reperfusion Injury *Motoaki Sano*·····1223

Case Reports

An Emergency Coronary Artery Bypass Grafting for an Adolescent Kawasaki Disease

Patient Suffering from Giant Coronary Aneurysms Thrombosis *Hiroyuki Saito, et al*·····1227