

SEPTEMBER 2004

IRYO

VOL. 58 NO. 9

JAPANESE JOURNAL
OF
NATIONAL MEDICAL SERVICES

—Contents—

Special Program : Science of Five Senses

〔卷頭言〕

Five Senses	Y. TANAKA	491
-------------------	-----------	-----

〔Sense of Sight〕

Science of Visual Optics	T. NODA	493
Current Status and the Future of Keratoplasty	M. YAMADA et al.	499
Development of Artificial Vision System	T. YASUO	505

〔Sense of Sound〕

Present and Future in Deafness Gene Research	T. MATSUNAGA	510
Clinical Medicine of Hearing Disorder	M. SATO	515
A Review of Speech Perception Ability using Cochlear Implants	M. SHIROMA et al.	522

〔Sense of Taste and Smell〕

Mechanism of Olfaction and Gustation, their Dysfunction	M. WADA	528
Olfaction Test and Gustation Test		
: Objective Measurement by an Evoked Response Technique	M. WADA	531

〔Sense of Touch〕

Psychological and Pathological Aspect of Itch	M. HASHIRO	538
Pain Medicine : Pain Clinic Update	S. KAWACHI	543

Atlas

Series of Articles on Infectious Disease		
--	--	--

9. 英文タイトル未着	S. HAYASHI	548
-------------------	------------	-----

MEMBERS OF EDITORIAL COMMITTEE

Kozo AKAGI (National Hospital Organization Sendai Medical Center)
Akira AKASAWA (National Center for Child Health and Development)
○Hikaru FUKUDA (National Hospital Organization)
○Youko HISABE (Ministry of Health, Labour and Welfare)
Kyoji IKEDA (National Center for Geriatrics and Gerontology)
Kensuke JOH (National Hospital Organization Chiba-East National Hospital)
Shinya KOBAYASHI (National Hospital Organization Higashi-nagano National Hospital)
Koichiro KUDOH (International Medical Center of Japan)
Masahisa MASUDA (National Hospital Organization Chiba Medical Center)
○Setsuko MORIYAMA (National Hospital Organization)
Hiroshi NONOGI (National Cardiovascular Center)
Yasushi OKADA (National Hospital Organization Kyusyu Medical Center)
Daizo SAITO (National Cancer Center)
Masashi SAITOH (National Hospital Organization Murayama Medical Center)
○Masahiro SASAKI (Ministry of Health, Labour and Welfare)
Takuma SHIRASAKA (National Hospital Organization Osaka National Hospital)
○Koichi SUZUKI (National Hospital Organization Tokyo Medical Center)
Hidenobu TAIJI (National Center for Child Health and Development)
Yoshihiro YAGISHITA (International Medical Center of Japan)
Hideki YOTSUMOTO (National Hospital Organization Tokyo National Hospital)
Tatsuhiko YUASA (National Center of Neurology and Psychiatry)
○Editor-in-Chief ○Associate Editors

THE EDITORIAL OFFICE

NATIONAL HOSPITAL ORGANIZATION TOKYO MEDICAL CENTER
2-5-1 HIGASHIGAOKA, MEGURO-KU, TOKYO 152-8902 JAPAN
Tel. 03-3411-0111 (ext. 2117)
Fax. 03-3411-9421
e-mail : iryo@kankakuki.go.jp
URL : <http://www1.biz.biglobe.ne.jp/~s-iryou/>