

## The 43rd Scientific Congress of the Yamaguchi University Medical Association

February 2, 1975, at Yamaguchi University School of Medicine

### 1. Evidence for Temperature-responsive Neurons in Medulla of Rabbits

Seiichiro INOUE

*(Department of Anesthesiology,  
Yamaguchi University)*

Naotoshi MURAKAMI

*(Department of Physiology, Yamaguchi University)*

### 2. Temperature-responsive Neurons in the Raphe Region of Rabbit's Brain Stem

Naotoshi MURAKAMI

and Yoshiyuki SAKATA

*(Department of Physiology, Yamaguchi University)*

Seiichiro INOUE

*(Department of Anesthesiology,  
Yamaguchi University)*

### 3. Skin Homograft in Thymectomized X-Irradiated and Bone Marrow-Reconstituted Rat

Hiromichi KUNIKI, Kazuhito YAMAGUCHI

and Kazuhiko AWAYA

*(1st Department of Anatomy,  
Yamaguchi University)*

### 4. Mechanism of Thiamine Uptake by Bacterial Cells

(3) Effect of Inhibition of Respiratory Chain, of ATP Synthesis, of  
Membrane Mg, Ca-ATPase, or of Activated Membrane State on  
Thiamine Uptake Activity by *E. coli* W 70-23

Ryoji HAYASHI, Takahiro NISHIMUNE

and Mitsuko ABE

*(Department of Microbiology,  
Yamaguchi University)*

## 5. Secondary Kinetic Isotope Effects in the Aconitase Reaction

## (1) Purification of Aconitase and Syntheses of (2S, 3R) Citric (2-T) Acid

Hatanori OGATA

*(Department of Biochemistry,  
Yamaguchi University)*

J. H. Richards

*(Division of Chemistry and Chemical Engineering,  
California Institute of Technology)*

## 6. Secondary Kinetic Isotope Effects in the Aconitase Reaction

## (2) The Aconitase Reaction on (2S, 3R) Citric (2-T) Acid

Hatanori OGATA

*(Department of Biochemistry,  
Yamaguchi University)*

J. H. Richards

*(Division of Chemistry and Chemical Engineering,  
California Institute of Technology)*

## 7. Application of Imidazole Method for Assay of Disodium Sulbenicillin

Akira KŌSHIRO and Toshio FUJITA

*(Department of Pharmacy,  
Yamaguchi University Hospital)*

## 8. Study of Incompatibilities of Disodium Sulbenicillin Injection

Akira KŌSHIRO and Toshio FUJITA

*(Department of Pharmacy,  
Yamaguchi University Hospital)*

## 9. Pharmacokinetic Analysis of Intravenous Lidocaine Injection

Toshizo ISHIKAWA, Takeshi SAKABE  
and Yoshiro OKUDA*(Department of Anesthesiology,  
Yamaguchi University)*10. Effect of Althesine (CT-1341) on the O<sub>2</sub>-Hb Dissociation CurveToshizo ISHIKAWA, Kayako WAKUTA  
and Yoshiro OKUDA*(Department of Anesthesiology,  
Yamaguchi University)*

11. The Circulatory Dynamics of the Cervical Epidural Space of the Patients with Cervical Osteochondrosis, Cervico-omo-brachial Syndrome

Shoji NITTA, Susumu HATTORI  
Masanobu OYAMA, Teruo ISOBE  
and Hirotsugu ODA  
*(Department of Orthopedic Surgery,  
Yamaguchi University)*

12. Experimence of Surgical Treatment for Leriche's Syndrome and Similar Arteriosclerotic Occlusion

Eishi MIZUTA, Kōichi ISHIGAMI  
Takeshi FUCHIMOTO, Yoshirō SANTOKI  
Masahiro TOSHIMITSU, Itsurō NEGI  
and Masakazu USHIJIMA  
*(2nd Department of Surgery,  
Yamaguchi University)*  
Tomiyasu EGAMI  
*(Surgery, Toyota Chūō Hospital)*

13. Experimental Evaluation of Gore-Tex Membrane Oxygenator on Oxygen and Carbon Dioxide Transfer

Kensuke ESATO, Ryuichi KAKU  
and Rikio YAMAKI  
*(1st Division, Department of Surgery,  
Yamaguchi University)*

14. A Valuation of Sick Sinus Syndrome by RA Overdriue Pacing

Osamu TANIKADO, Masunori MATSUZAI  
and Katsuto MURAKAMI  
*(Saiseikai Shimonoseki Hospital)*

15. Ultrasound Cardiographic Study on the Genesis of the First Heart Sound in Patients with Complete A-V Block

Masunori MATSUZAKI, Osamu TANIKADO  
and Katsuto MURAKAMI  
*(Saiseikai Shimonoseki Hospital)*

16. Cell Kinetics During the Process of Induction of Papilloma by DMBA in Hamster Cheek Pouch

Yoshiaki NAGAMINE, Michiyoshi MASUDA  
and Manabu TAKAHASHI  
(2nd Department of Pathology,  
Yamaguchi University)

17. Measurement of H-TdR Labeling Indices by the in vitro Incubation of Surgically Removed Neoplastic Tissues

Kohsuke SASAKI, Kazuhiko SASAI  
and Tamehiro KAKU  
(2nd Department of Pathology,  
Yamaguchi University)

18. Serum Alpha-Fetoprotein Levels in Patients with Hydatidiform Mole

Shoichiro KOMORI, Toshio FUJINO  
Nobuyoshi TAKASUGI  
and Takahiro DAIRAKU  
(Department of Obstetrics and Gynecology,  
Yamaguchi University)

19. The Calcificated Tumor of the Upper Abdomen  
—Report of Two Cases—

Nobuyoshi MORITA, Hiroshi MIYASHITA  
Kensuke ESATO and Rikio YAMAKI  
(1st Division, Department of Surgery,  
Yamaguchi University)

20. Studies on Local Chemotherapy for Cancer of the Liver

Yasuhiko HASHIMOTO, Kôichi ISHIGAMI  
Takeshi FUCHIMOTO, Kiyoshi MATSUKI  
Masahiro TOSHIMITSU, Ganji SHIBATA  
Osamu SANTOKI, Itsuro NEGI  
and Michiharu MURAKAMI  
(2nd Department of Surgery,  
Yamaguchi University)  
Kosaku WATANABE  
(Ube Industries, Ltd Central Hospital)

## 21. Biochemical Research on the Pathology of Amyloidosis

Shuji HOSOKAWA  
(*Osaka Medical College*)

Sadahiko TSUNETOSHI, Tsunehiro FUJII  
(*1st Department of Pathology,  
Yamaguchi University*)

## 22. Pathological Study on Amyloidosis Histopathological Observation of Amyloid Deposits in Sinile Aortae

Toshiaki KAMEI  
(*1st Department of Pathology,  
Yamaguchi University*)

## 23. Endocrine and Exocrine Function of the Pancreas

Tadaaki IWATAKE, Kazuhiko KUNISHIGE  
Hiroaki MURAKAMI, Yoshio HARADA  
Hidemi ABIKO, Akio NAGATA  
and Katsuhiko KUBO  
(*Division of Internal Medicine,  
Ube Industries, Central Hospital*)

## 24. Metabolism of Human Chorionic Gonadotropin in Normal Postpartum Women and Patients with Trophoblastic Disease

Hiroshi KATO, Yuichi KIDO  
Masahiro KORESAWA, Fumihisa MIYAUCHI  
and Tadashi TORIGOE  
(*Department of Obstetrics and Gynecology,  
Yamaguchi University*)

## 25. Two Cases of Post-pregnancy Osteoporosis

Yoshio YOSHIDA, Masanobu OYAMA  
and Teruaki SHIBATA  
(*Department of Orthopedics Surgery,  
Yamaguchi University*)

## 26. Four Cases of Porphyria Cutanea Tarda

Kazue NISHIOKA and Isao ARAKI  
(*Department of Dermatology,  
Yamaguchi University*)