

List of Doctoral Dissertations in 1996

- A.547 Toshihiro SAEKI :
Chemosensitivity of human esophageal cancer cell lines and its clinical applications to chemotherapy.(In Japanese)
Yamaguchi Med J, **44**(4) : 201-211,1995.
The Second Department of Surgery.
- A.548 Michinari SUZUKI :
Induction of lymphokine activated killer cells from mononuclear cells of lymph nodes stimulated with OK-432.(In Japanese)
Yamaguchi Med J, **44**(3) : 145-154,1995.
The Second Department of Surgery.
- A.549 Hiroaki MIYAZAKI, Hiroshi KATO, Teruko NAKAZAWA, and Masataka TSUDA :
A positive regulatory gene, *pvdS*, for expression of pyoverdinin biosynthetic genes in *Pseudomonas aeruginosa* PAO.
Mol Gen Genet, **248** : 17-24,1995.
Department of Obstetrics and Gynecology,
Department of Microbiology.
- A.550 Hidefumi HOTTA :
The relationship between frontal midline theta activity and dopaminergic functions in chronic schizophrenia.(In Japanese)
Yamaguchi Med J, **45**(1) : 33-46,1996.
Department of Neuropsychiatry.
- A.551 Naomi YOSHIOKA :
Usefulness of doppler ultrasound in predicting the effect of gonadotropin-releasing hormone agonist(GnRHa)on myoma uteri.(In Japanese)
Acta Obst Gynaec Jpn, **47**(11) : 1255-1260,1995.
Department of Obstetrics and Gynecology.
- A.552 Yoshitsugu KUBO, Mitsuru YASUNAGA, Masaaki MASUHARA, Shuji TERAJ, Toshikazu NAKAMURA, and Kiwamu OKITA :
Hepatocyte proliferation induced in rats by lead nitrate is suppressed by several tumor necrosis factor- α inhibitors.
Hepatology, **23**(1) : 104-114,1996.
The First Department of Internal Medicine,
Division of Biochemistry,
Biomedical Research Center, Osaka University.
- A.553 Masashi TSURUMI :
Clinical gastric motility studies on patients following pylorus preserving pancreatoduodenectomy.(In Japanese)
Yamaguchi Med J, **45**(1) : 11-20,1996.
The Second Department of Surgery.
- A.554 Shigeru YAMAMOTO :
Experimental study of pathogenesis of ascending cholangitis after biliary reconstruction.(In Japanese)
Yamaguchi Med J, **44**(6) : 329-345,1995.
The Second Department of Surgery.
- A.555 Masahiko ORITA :
Protective effects of thromboxane A₂ synthetase inhibitor(OKY-046) on hepatic

- ischemia-reperfusion injury in rats with obstructive jaundice.
J Hep Bil Pancr Surg, **3** : 60-65,1996.
The First Department of Surgery.
- A.556 Kazutoshi OHI :
New technique for evaluating regional myocardial function using SPAMM tagging in patients with myocardial infarction.
Bull Yamaguchi Med Sch, **42**(3-4) : 59-66,1995.
The Second Department of Internal Medicine.
- A.557 Masakazu OBAYASHI :
Attenuation of left ventricular hypertrophy by angiotensin II receptor antagonist in rats.
Bull Yamaguchi Med Sch, **42**(3-4) : 81-86,1995.
The Second Department of Internal Medicine.
- A.558 Mitsuyuki HIROMOTO, Yoichi TOMA, Yasuaki TOMOCHIKA, Seiji UMEMOTO, and Masunori MATSUZAKI :
Echographical assessment of the early stage of experimental atherosclerosis of the descending aorta in rabbits.
Jpn Circ J, **60** : 691-698,1996.
The Second Department of Internal Medicine.
- A.559 Akihito MIKAMO :
Effect of ATP-sensitive potassium channel opener nicorandil on cardioplegic arrest in isolated rabbit heart.
Bull Yamaguchi Med Sch, **42**(3-4) : 67-74,1995.
The First Department of Surgery.
- A.560 Yutaka YOSHIDA, Yasuhiko NAKAMURA, Norihiro SUGINO, Katsunori SHIMAMURA, Mioko ONO, and Hiroshi KATO:
Changes in interleukin-1 production of peritoneal macrophages during estrous cycle in golden hamsters.
Endocr J, **43**(2) : 151-156,1996.
Department of Obstetrics and Gynecology.
- A.561 Kengo FUNAKOSHI, Toshio ABE, and Reiji KISHIDA :
Trigeminal, vagal, and spinal projections of supramedullary cells in the puffer fish, *Takifugu niphobles*.
J Comp Neurol, **358** : 552-562,1995.
The Second Department of Anatomy.
- A.562 Shaochuen SONG, Sachiye INOUE, Motoharu KAWAI, Kaoru FUKAMI-KOBAYASHI, Mitiko GO, and Atsushi NAKAZAWA:
Cloning and characterization of the gene encoding *Halobacterium halobium* adenylate kinase.
Gene, **175** : 65-70,1996.
The Second Department of Biochemistry,
Department of Biology, Faculty of Science, Nagoya University.
- A.563 Suguru TAMURA, Mutsuo TAKAHASHI, Shunji KAWAMURA, and Tokuhiko ISHIHARA :
Basophilic degeneration of the myocardium: histological, immunohistochemical and immuno-electronmicroscopic studies.
Histopathology, **26** : 501-508,1995.
The First Department of Pathology,
Department of Clinical Laboratories.
- A.564 Toshifumi FURUI, Miyuki IKEDA, Liao CHAO-MING, Kiwamu OKITA, and Kazuyuki NAKAMURA :
Protein degradation in human pure pancreatic juice analyzed by two-dimensional gel

- electrophoresis.
Electrophoresis, **17**(4) : 797-802,1996.
The First Department of Internal Medicine,
The First Department of Biochemistry.
- A.565 Takahiro IWAMI, Takashi FUJII, Toshiro MIURA, Nozomu OTANI, and Masunori MATSUZAKI :
Limitations of intravascular ultrasound for the evaluation of coronary luminal area;—Comparison with quantitative angiography.—
Jpn Circ J, **60** : 575-584,1996.
The Second Department of Internal Medicine,
Konan St. Hill Hospital.
- A.566 Hiroshi NAKAMURA, Taisei YAMAMURA, Shinji FUKUTA, Akira MATSUMORI, and Masunori MATSUZAKI :
A pathogenic mechanism of chronic ongoing myocarditis.
Jpn Circ J, **60** : 609-617,1996.
The Second Department of Internal Medicine,
Department of Cardiovascular Medicine.
- A.567 Yukio OHBA, Yoshihisa FUJIKURA, Tomoo SAWADA, Nobuko TOKUDA, Mitsunori MORIMATSU, and Tetsuo FUKUMOTO :
Major histocompatibility complex expression in muscle of rats with graft-versus-host disease.
Histol Histopathol, **11** : 97-102,1996.
Department of Neurology,
The First Department of Anatomy.
- A.568 Motoharu KAWAI :
Cloning of Fugu *rubripes rubripes* sodium channels.(In Japanese)
Yamaguchi Med J, **45**(1) : 91-102,1996.
The First Department of Neurology.
- A.569 Yasushi SATO :
Experimental study of ascending cholangitis after biliary reconstruction with neuro-lymphatic dissection around the superior mesenteric artery.(In Japanese)
Yamaguchi Med J, **45**(1) : 21-32,1996.
The Second Department of Surgery.
- A.570 Akiyoshi TANAKA :
The experimental study of possible mechanisms for delayed gastric emptying after pylorus preserving pancreatoduodenectomy.(In Japanese)
Yamaguchi Med J, **44**(6) : 347-354,1995.
The Second Department of Surgery.
- A.571 Kazutaka NAKASHIMA :
Relationship between portal hemodynamics in the remnant liver after hepatectomy and changes in liver function.(In Japanese)
Yamaguchi Med J, **44**(6) : 355-364,1995.
The Second Department of Surgery.
- A.572 Hiroshi MORICHIKA :
Analysis of neutral glycolipids and sulfatide in human colorectal cancer.(In Japanese)
Yamaguchi Med J, **45**(1) : 47-57,1996.
The Second Department of Surgery.
- A.573 Akira YAMAMOTO :
Fat digestion and absorption following major pancreatectomy and/or jejunectomy.(In Japanese)
Yamaguchi Med J, **45**(1) : 103-110,1996.
The Second Department of Surgery.

- A.574 Kenji WADAMORI :
Influence of continuous Interleukin-2 administration via the portal vein on liver regeneration after partial hepatectomy in rats. (In Japanese)
Yamaguchi Med J, **44**(6) : 365-373,1995.
The Second Department of Surgery.
- A.575 Isteaq AHMED SHAMEEM, Hiroaki KURISU, Hideyasu MATSUYAMA, Tomoyuki SHIMABUKURO, and Katsusuke NAITO :
Direct and indirect effects of recombinant human granulocyte-colony stimulating factor on in vitro colony formation of human bladder cancer cells.
Cancer Immunol Immunother, **38** : 353-357,1994.
Department of Urology.
- A.576 Hirotaka NAKANO :
The relationship of the center of pressure and the distribution of cumulated densities in the control of standing.(In Japanese)
Yamaguchi Med J, **45**(1) : 71-78,1996.
Department of Otolaryngology.
- A.577 Shugo NAWATA, Nagato TSUNAGA, Fumitake NUMA, Tatehiko TANAKA, Kazuyuki NAKAMURA, and Hiroshi KATO :
Serine protease inhibitor activity of recombinant squamous cell carcinoma antigen towards chymotrypsin, as demonstrated by Sodium dodecyl sulfate-polyacrylamide gel electrophoresis.
Electrophoresis, **16** : 1027-1030,1995.
Department of Obstetrics and Gynecology,
The First Department of Biochemistry.
- A.578 Junta MOROI, Shiro KASHIWAGI, Shigenari KIM, Manabu URAKAWA, Haruhide ITO, and Kazuhito YAMAGUCHI :
Regional differences in apoptosis in murine gliosarcoma(T9) induce by mild hyperthermia.
Int J Hyperthermia, **12**(3) : 345-354,1996.
Department of Neurosurgery,
Institute of Laboratory Animals.
- A.579 Hidemitsu ADACHI, Hirosuke FUJISAWA, Tsuyoshi MAEKAWA, Tetsuo YAMASHITA, and Haruhide ITO :
Changes in the extracellular glutamate concentrations in the rat cortex following localized hyperthermia.
Int J Hyperthermia, **11**(4) : 587-599,1995.
Department of Neurosurgery, Critical Care Medical Center.
- A.580 Hideyuki ISHIHARA, Koji KAJIWARA, Noboru OHSHITA, Yuka KIMURA, Takefumi NISHIZAKI, and Haruhide ITO :
IFN- β inhibition of etoposide resistance acquisition *in vitro* : Studies using a human glioblastoma cell line.
Anticancer Res, **15** : 283-288,1995.
Department of Neurosurgery,
The Second Department of Pathology.
- A.581 Noriaki KAWAKAMI, Shiro KASHIWAGI, Tetsuhiro KITAHARA, Tetsuo YAMASHITA, and Haruhide ITO :
Effect of local administration of basic fibroblast growth factor against neuronal damage caused by transient intracerebral mass lesion in rats.
Brain Res, **697** : 104-111,1995.
Department of Neurosurgery.
- A.582 Shuichi SUGIYAMA, Masami FUJII, and Haruhide ITO :
The electrophysiological effects of multiple subpial transection (MST) in an experimen-

- tal model of epilepsy induced by cortical stimulation.
Epilepsy Res, **21** : 1-9,1995.
Department of Neurosurgery.
- A.583 Shunsuke KAKINO, Kohsuke SASAKI, Akira KUROSE, and Haruhide ITO:
Intracellular localization of cyclin B1 during the cell cycle in glioma cells.
Cytometry, **24** : 49-54,1996.
Department of Neurosurgery,
Department of Pathology, Iwate Medical University.
- A.584 Yasuhiko IIDA :
Spinal cord blood flow and neurologic outcome after transient spinal cord ischemia in rabbits-modification by graded hypothermia, thiopental and nitric oxide synthase inhibitor-(In Japanese)
Yamaguchi Med J, **45**(1) : 79-90,1996.
Department of Anesthesiology-Resuscitology.
- A.585 Junko TSURUTA :
Involvement of spinal synaptic modulation of calcium channel and intracellular enzyme activities in nitrous oxide-induced analgesia and its tolerance.(In Japanese)
Yamaguchi Med J, **44**(6) : 375-387,1995.
Department of Anesthesiology-Resuscitology.
- A.586 Katsunori SHIMAMURA, Norihiro SUGINO, Yutaka YOSHIDA, Yasuhiko NAKAMURA, Keiki OGINO, and Hiroshi KATO :
Changes in lipid peroxide and antioxidant enzyme activities in corpora lutea during pseudopregnancy in rats.
J Reprod Fertil, **105** : 253-257,1995.
Department of Obstetrics and Gynecology,
Department of Public Health, School of Medicine, Kanazawa University.
- A.587 Yukio SAIKI, Tatsuo WATANABE, Nobusuke TAN, Masunori MATSUZAKI, and Shoji NAKAMURA :
Role of central ANG II-receptors in stress-induced cardiovascular and hyperthermic responses in rats.
Am J Physiol, **272**(1 pt2) : R26-33,1997.
The Second Department of Physiology,
The Second Department of Internal Medicine.
- A.588 Shinobu IMOTO, Yukio TANIZAWA, Yutaka SATO, Kohei KAKU, and Yoshitomo OKA :
A novel mutation in the ferrochelatase gene associated with erythropoietic protoporphyria.
Br J Haematol, **94** : 191-197,1996.
The Third Department of Internal Medicine.
- A.589 Masahiro ESATO, Akihiko SHIMIZU, Yeong-Hwa CHUN, Hironari TATSUNO, Toshihiko YAMAGATA, and Masunori MATSUZAKI :
electrophysiologic effects of a class I antiarrhythmic agent, cibenzoline, on the refractoriness and conduction of the human atrium in vivo.
J Cardiovasc Pharmacol, **28** : 321-327,1996.
The Second Department of Internal Medicine.
- B.793 Takashi ICHIYAMA, Takashi HAYASHI, and Susumu FURUKAWA :
Developmental changes of contralateral brainstem auditory evoked potentials : evaluation of brainstem maturation.
Brain Dev, **17** : 49-51,1995.
Department of Pediatrics.

- B.794 Kazunobu OUCHI, Mitsuko ABE, Mikio KARITA, Toyoko OGURI, Jun IGARI, and Teruko NAKAZAWA :
Analysis of strains of *Burkholderia (Pseudomonas) cepacia* isolated in a nosocomial outbreak by biochemical and genomic typing.
J Clin Microbiol, **33**(9) : 2353-2357,1995.
Department of Microbiology,
The First Department of Internal Medicine,
Department of Pediatrics, Saiseikai Shimonoseki General Hospital,
Department of Clinical Laboratory, Juntendo Univ. School of Medicine,
Department of Clinical Pathology, Juntendo Univ. School of Medicine.
- B.795 Tomoyuki TEYAMA :
Studies on daily changes of the uterine lumen, the number and localization of macrophages in relation to apposition of embryo in the pregnant rat.(In Japanese)
Yamaguchi Med J, **43**(6) : 393-400,1994.
Department of Obstetrics and Gynecology.
- B.796 Yasue YAMADA, Mamoru YAMADA, and Atsushi NAKAZAWA :
A ColE1-encoded gene directs entry exclusion of the plasmid.
J Bacteriol, **177**(21) : 6064-6068,1995.
The Second Department of Biochemistry.
- B.797 Kenji MURANO, Yasushi INOUE, Masahiro EMOTO, Kohei KAKU, and Toshio KANEKO :
CS-045, a new oral antidiabetic agent, stimulates fructose-2,6-bisphosphate production in rat hepatocytes.
Eur J Pharmacol, **254** : 257-262,1994.
The Third Department of Internal Medicine.
- B.798 Akihiro KAWABATA :
Lymphatic and neural tissue dissection around the superior mesenteric artery for periampullary cancer with special reference to correlative anatomy of the nodes and plexus.(In Japanese)
Yamaguchi Med J, **44**(5) : 241-252,1995.
The Second Department of Surgery.
- B.799 Tsuyoshi TAO, Yukio TANIZAWA, Atsushi MATSUBARA, Toshio KANEKO, and Kohei KAKU :
HepG2/erythrocyte glucose transporter (GLUT1) gene in NIDDM: a population association study and molecular scanning in japanese subjects.
Diabetologia, **38** : 942-947,1995.
The Third Department of Internal Medicine.
- B.800 Toshiaki SHIRAGA :
Pancreatic regeneration and involution induced by the protease inhibitor following partial pancreatectomy.(In Japanese)
Yamaguchi Med J, **45**(1) : 111-121,1996.
The Second Department of Surgery.
- B.801 Sakurao HIRAKI :
Effects of hepatic denervation on ischemia-reperfusion of the dogs Liver.
Bull Yamaguchi Med Sch, **42**(3-4) : 87-92,1995.
The Second Department of Surgery.
- B.802 Yoshitaka MAEDA :
The serum alkaline phosphatase ratio as an early indicator of postoperative liver failure.(In Japanese)
Yamaguchi Med J, **44**(6) : 319-327,1995.
The Second Department of Surgery.
- B.803 Takashi YAGYU :

- Hemodynamic changes of the hepatic veins in liver cirrhosis evaluated with pulsed doppler sonography.
Bull Yamaguchi Med Sch, **42**(3-4) : 75-80,1995.
The Second Department of Surgery.
- B.804 Yoshio NAGATSUGU :
Combined effects of a metabotropic glutamate receptor agonist and an ionotropic glutamate receptor agonist on cytosolic Ca^{2+} concentrations in cultured hippocampal cells.
Bull Yamaguchi Med Sch, **42**(1-2) : 21-27,1995.
Department of Neurosurgery.
- B.805 Kozo KAYANO, Isao SAKAIDA, Masafumi KUBOTA, Mitsuru YASUNAGA, and Kiwamu OKITA :
Functional differences between activated and normal rat liver macrophages : LPS uptake capacity by flow cytometric analysis in contrast with TNF- α release.
Liver, **15** : 253-259,1995.
The First Department of Internal Medicine.
- B.806 Nobuhiro KAJII :
Evaluation of the liver function for patients with chronic liver diseases using ^{99m}Tc -Galactosyl human serum albumin [^{99m}Tc -GSA] , liver scintigraphy.(In Japanese)
Yamaguchi Med J, **43**(3) : 201-209,1994.
Department of internal Medicine and Gastroenterology, Shimonoseki National Hospital,
The First Department of Internal Medicine.
- B.807 Fumikazu AKIMOTO :
The effect of pancreatopeptidase E(Elastase) on anastomotic intimal thickness in two types of vascular prosthesis.
Jpn J Surg, **25** : 1027-1033,1995.
The First Department of Surgery.
- B.808 Yoshihiko KATOH :
A biomechanical study of the facet joint on the etiology of degenerative spondylolisthesis of the lumbar spine.(In Japanese)
Cent Jpn J Orthop Traumat, **38** : (6)1497-1504,1995.
Department of Orthopedic Surgery.
- B.809 Motohiro NODA :
Clinical study of the ossification of posterior longitudinal ligament of the lumbar Spine. (In Japanese)
Yamaguchi Med J, **45**(1) : 59-70,1996.
Department of Orthopedic Surgery.
- B.810 Takahisa OTA, Masahiko MUTO, Junji NAKANO, Sumiko HAMANAKA, Reiko IRIE, and Chidori ASAGAMI :
Immunohistological reaction mechanism of anti-monosialoganglioside monoclonal antibody, MAb 202, showing predominant cytotoxicity for malignant melanoma.
Tohoku J Exp Med, **177** : 1-12,1995.
Department of Dermatology,
Department of Dermatology, Yamaguchi Rousai Hospital,
Division of Surgical Oncology, University of California Los Angeles, School of Medicine.
- B.811 Takashi HASHIMOTO :
An experimental study on effect of upper abdominal autonomic denervation and truncal vagotomy on visceral blood flow and portal VIP concentration. (In Japanese)
Jpn J Gastroenterol Surg, **29**(4) : 813-818,1996.
The First Department of Surgery.

- B.812 Yuko MATSUZAKI, Norie KUROKAWA, Shuji TERAJ, Yasuhiro MATSUMURA , Nobuyuki KOBAYASHI, and Kiwamu OKITA :
Cell death induced by baicalein in human hepatocellular carcinoma cell lines.
Jpn J Cancer Res, **87** : 170-177,1996.
The First Department of Internal Medicine,
Department of Virology and Parasitology.
- B.813 Noboru OHSHITA, Takafumi NISHIZAKI, Hideyuki ISHIHARA, Haruhide ITO, Tomoyuki MURAKAMI, and Yuka MIMURA :
Effect of hyperthermia on cyclin B expression in a human glioblastoma cell line.
J Neurooncol, **25** : 127-133,1995.
Department of Neurosurgery,
The Second Department of Pathology.
- B.814 Hiroyuki MATSUZAKI :
Postocclusive reactivity of radial artery in patients with essential hypertension, hypercholesterolemia or diabetes mellitus.
Bull Yamaguchi Med Sch, **43**(1-2) : 27-34,1996.
The Second Department of Internal Medicine.
- B.815 Takashi NAKAMURA :
Effects of Lipo-(11 α ,13E,15S)-11,15-dihydroxy-9-(1-oxobutoxy)-prosta-8,13-dien-1-oic acid butyl ester [AS013] on intimal thickness of ePTFE graft.(In Japanese)
J Jap Coll Angiol, **36**(1) : 3-13,1996.
The First Department of Surgery.
- B.816 Aogu YAMASHITA:
Comparison of the proliferative capacity of adenomatous hyperplasia and well differentiated hepatocellular carcinoma.
J Gastroenterol, **31** : 373-378,1996.
The First Department of Internal Medicine.