

2010

1. Tsuda M, Yamada T, Mikoya T, Sogabe I, Nakashima M, Minakami H, Kishino T, Kinoshita A, Niikawa N, Hirano A, Yoshiura K: A type of familial cleft of the soft palate maps to 2p24.2-p24.1 or 2p21-p12. *J Hum Genet* 55(2): 124-126, 2010
2. Takahata T, Yamada K, Yamada Y, Ono S, Kinoshita A, Matsuzaka T, Yoshiura KI, Kitaoka T: Novel mutations in the SIL1 gene in a Japanese pedigree with the Marinesco-Sjögren syndrome. *J Hum Genet* 55(3): 142-146, 2010
3. Miura K, Miura S, Yoshiura K, Seminara S, Hamaguchi D, Niikawa N, Masuzaki H: A case of Kallmann syndrome carrying a missense mutation in alternatively spliced exon 8A encoding the immunoglobulin-like domain IIIb of fibroblast growth factor receptor 1. *Hum Reprod* 25(4): 1076-1080, 2010
4. Ng SB, Bigham AW, Buckingham KJ, Hannibal MC, McMillin MJ, Gildersleeve HI, Beck AE, Tabor HK, Cooper GM, Mefford HC, Lee C, Turner EH, Smith JD, Rieder MJ, Yoshiura K, Matsumoto N, Ohta T, Niikawa N, Nickerson DA, Bamshad MJ, Shendure J: Exome sequencing identifies MLL2 mutations as a cause of Kabuki syndrome. *Nat Genet* 42(9): 790-793, 2010
5. Matsuzawa N, Kondo S, Shimozato K, Nagao T, Nakano M, Tsuda M, Hirano A, Niikawa N, Yoshiura K: Two missense mutations of the IRF6 gene in two Japanese families with popliteal pterygium syndrome. *Am J Med Genet A* 152A(9): 2262-2267, 2010
6. Miura K, Miura S, Yamasaki K, Shimada T, Kinoshita A, Niikawa N, Yoshiura K, Masuzaki H: The possibility of microarray-based analysis using cell-free placental mRNA in maternal plasma. *Prenatal Diagnosis* 30(9): 849-861, 2010
7. Oikawa M, Kuniba H, Kondoh T, Kinoshita A, Nagayasu T, Niikawa N, Yoshiura K: Familial brain arteriovenous malformation maps to 5p13-q14, 15q11-q13 or 18p11: linkage analysis with clipped fingernail DNA on high-density SNP array. *Eur J Med Genet* 53(5): 244-249, 2010
8. Miura K, Miura S, Yamasaki K, Higashijima A, Kinoshita A, Yoshiura KI, Masuzaki H: Identification of Pregnancy-Associated MicroRNAs in Maternal Plasma. *Clin Chem* 56(11): 1767-1771, 2010

9. Ota I, Sakurai A, Toyoda Y, Morita S, Sasaki T, Chishima T, Yamakado M, Kawai Y, Ishidao T, Lezhava A, Yoshiura K-i, Togo S, Hayashizaki Y, Ishikawa T, Ishikawa T, Endo I, Shimada H: Association between breast cancer risk and the wild-type allele of human ABC transporter ABCC11. *Anticancer Research* 30(12): 5189-5194, 2010
10. Suzuki K, Kodama S, Watanabe M: Role of Ku-80-dependent end-joining in delayed genomic instability in mammalian cells surviving ionizing radiation. *Mutat Res* 683(1-2): 29-34, 2010
11. Dzodic R, Stanojevic B, Saenko V, Nakashima M, Markovic I, Pupic G, Buta M, Inic M, Rogounovitch T, Yamashita S: Intraductal Papilloma of Ectopic Breast Tissue in Axillary Lymph Node of a Patient with a Previous Intraductal Papilloma of Ipsilateral Breast: a case report and review of the literature. *Diagn Pathol* 5(1): 17, 2010
12. Ogi T, Limsirichaikul S, Overmeer RM, Volker M, Takenaka K, Cloney R, Nakazawa Y, Niimi A, Miki Y, Jaspers NG, Mullenders LH, Yamashita S, Fousteri MI, Lehmann AR: Three DNA Polymerases, Recruited by Different Mechanisms, Carry Out NER Repair Synthesis in Human Cells. *Mol Cell* 37(5): 714-727, 2010
13. Nakazawa Y, Yamashita S, Lehmann AR, Ogi T: A semi-automated non-radioactive system for measuring recovery of RNA synthesis and unscheduled DNA synthesis using ethynyluracil derivatives. *DNA Repair (Amst)* 9(5): 506-516, 2010
14. Suzuki K, Takahashi M, Oka Y, Yamauchi M, Suzuki M, Yamashita S: Requirement of ATM-dependent pathway for the repair of a subset of DNA double strand breaks created by restriction endonucleases. *Genome Integr* 1(1): 4, 2010
15. Ishikawa A, Yamauchi M, Suzuki K, Yamashita S: Image-based quantitative determination of DNA damage signal reveals a threshold for G2 checkpoint activation in response to ionizing radiation. *Genome Integr* 1(1): 10, 2010
16. Akita S, Akino K, Hirano A, Ohtsuru A, Yamashita S: Mesenchymal stem cell therapy for cutaneous radiation syndrome. *Health Phys* 98(6): 858-862, 2010
17. Mankovskaya SV, Demidchik YE, Yamashita S: Prospective efficacy of molecular preoperative diagnostics of papillary thyroid carcinoma. *Acta Medica Lituanica* 17(1-2): 35-39, 2010
18. Kumagai A, Ohtsuru A, Usa T, Mitsutake N, Yamashita S: Molecular targeting therapy with external radiation for intractable and poor-prognosis thyroid carcinoma.

Endocrine Journal 57(supple 2): S455-456, 2010

19. Takahashi M, Saenko VA, Rogounovitch TI, Kawaguchi T, Drozd VM, Takigawa-Imamura H, Akulevich NM, Ratanajaraya C, Mitsutake N, Takamura N, Danilova LI, Lushchik ML, Demidchik YE, Heath S, Yamada R, Lathrop M, Matsuda F, Yamashita S: The FOXE1 locus is a major genetic determinant for radiation-related thyroid carcinoma in Chernobyl. *Hum Mol Genet* 19(12): 2516-2523, 2010
20. Suzuki K, Yamauchi M, Oka Y, Suzuki M, Yamashita S: A novel and simple micro-irradiation technique for creating localized DNA double-strand breaks. *Nucleic Acids Res* 38(12): e129, 2010
21. Suzuki K, Nakashima M, Yamashita S: Dynamics of ionizing radiation-induced DNA damage response in reconstituted three-dimensional human skin tissue. *Radiat Res* 174(4): 415-423, 2010
22. Ujifuku K, Mitsutake N, Takakura S, Matsuse M, Saenko V, Suzuki K, Hayashi K, Matsuo T, Kamada K, Nagata I, Yamashita S: miR-195, miR-455-3p and miR-10a(*) are implicated in acquired temozolomide resistance in glioblastoma multiforme cells. *Cancer Lett* 296(2): 241-248, 2010
23. Saenko V, Yamashita S: Chernobyl thyroid cancer 25 years after: in search of a molecular radiation signature. *Hot Thyroidology* (www.hotthyroidology.com), HT 8/10, 2010
24. Akita S, Akino K, Hirano A, Ohtsuru A, Yamashita S: Noncultured autologous adipose-derived stem cells therapy for chronic radiation injury. *Stem Cells Int* (<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2995929/>), 2010
25. Li TS, Cheng K, Lee ST, Matsushita S, Malliaras K, Davis D, Zhang Y, Matsushita N, Smith RR, Marbán E: Cardiospheres recapitulate a niche-like microenvironment rich in stemness and cell-matrix interactions, rationalizing their enhanced functional potency for myocardial repair. *Stem Cells* 28(11): 2088-2098, 2010
26. Zhang Y, Li TS, Lee ST, Wawrowsky KA, Cheng K, Galang G, Malliaras K, Abraham MR, Wang C, Marbán E: Dedifferentiation and proliferation of mammalian cardiomyocytes. *PLoS ONE* 5(9): e12559, 2010
27. Li TS, Marbán E: Physiological levels of reactive oxygen species are required to maintain genomic stability in stem cells. *Stem Cells* 28(7): 1178-1185, 2010

28. Cheng K, Li TS, Malliaras K, Davis D, Zhang Y, Marbán E: Magnetic targeting enhances engraftment and functional benefit of iron-labeled cardiosphere-derived cells in myocardial infarction. *Circ Res* 106(10): 1570-1581, 2010
29. Kubo M, Li TS, Kamota T, Ohshima M, Shirasawa B, Hamano K: Extracorporeal shock wave therapy ameliorates secondary lymphedema by promoting lymphangiogenesis. *J Vasc Surg* 52(2): 429-434, 2010
30. Ueda K, Tanaka T, Hayashi M, Li TS, Tanaka N, Hamano K: Computed tomography-defined functional lung volume after segmentectomy versus lobectomy. *Eur J Cardiothorac Surg* 37(6): 1433-1437, 2010
31. Chimenti I, Smith RR, Li TS, Gerstenblith G, Messina E, Giacomello A, Marbán E: Relative roles of direct regeneration versus paracrine effects of human cardiosphere-derived cells transplanted into infarcted mice. *Circ Res* 106(5): 971-980, 2010
32. Oka K, Tanaka T, Enoki T, Yoshimura K, Ohshima M, Kubo M, Murakami T, Gondou T, Minami Y, Takemoto Y, Harada E, Tsushima T, Li TS, Traganos F, Darzynkiewicz Z, Hamano K: DNA damage signaling is activated during cancer progression in human colorectal carcinoma. *Cancer Biol Ther* 9(3): 246-252, 2010
33. Ueda K, Tanaka T, Li TS, Tanaka N, Hamano K: Sutureless pneumostasis using bioabsorbable mesh and glue during major lung resection for cancer: who are the best candidates? *J Thorac Cardiovasc Surg* 139(3): 600-605, 2010
34. Li TS, Kubo M, Ueda K, Murakami M, Mikamo A, Hamano K: Impaired angiogenic potency of bone marrow cells from patients with advanced age, anemia and renal failure. *J Thorac Cardiovasc Surg* 139(2): 459-465, 2010
35. Brahmanandhan GM, Hayashida N, Taira Y, Malathi J, Khanna D, Selvasekarapandian U, Matsuda N, Takamura N: Urinary iodine concentrations in the high background radiation areas of Kanyakumari district, Tamilnadu, India. *Endocr J* 57(1): 87-91, 2010
36. Sekitani Y, Hayashida N, Kadota K, Yamasaki H, Abiru N, Nakazato M, Maeda T, Ozono Y, Takamura N: White blood cell count and cardiovascular biomarkers of atherosclerosis. *Biomarkers* 15(5): 454-460, 2010
37. Takamura N, Hayashida N, Maeda T: Subclinical hypothyroidism and the risk of coronary heart disease and mortality. *JAMA* 304(22): 2481-2482, 2010

38. Fukahori S, Matsuse H, Takamura N, Tsuchida T, Kawano T, Fukushima C, Hideaki S, Kohno S: Body mass index positively correlated with forced expiratory volume in 1 second / forced vital capacity in population with relatively low prevalence of obesity. *Chin Med J* 123(10): 2792-2796, 2010
39. Sekitani Y, Hayashida N, Karevskaya I, Vasiltsova O, Kozlovsky A, Omiya M, Yamashita S, Takamura N: Evaluation of ¹³⁷Cs body burden in inhabitants of Bryansk Oblast, Russian Federation, where a high incidence of thyroid cancer was observed after the accident at the Chernobyl Nuclear Power Plant. *Radiat Prot Dosimetry* 141(1): 36-42, 2010
40. Takamura N, Hayashida N, Hagane K, Kadota K, Yamasaki H, Abiru N, Ozono Y, Kamihira S, Ishibashi K, Nakazato M, Maeda T: Leptin:high molecular weight adiponectin ratio is independently correlated with carotid intima-media thickness in men, but not in women. *Biomarkers* 15(4): 340-344, 2010
41. Shibata K, Nakayama T, Hirakawa H, Hidaka S, Nagayasu T: Clinicopathological significance of angiopoietin-like protein 4 expression in oesophageal squamous cell carcinoma. *J Clin Pathol* 63: 1054-1058, 2010
42. Khan KN, Kitajima M, Hiraki K, Yamaguchi N, Katamine S, Matsuyama T, Nakashima M, Fujishita A, Ishimaru T, Masuzaki H: Escherichia coli contamination of menstrual blood and effect of bacterial endotoxin on endometriosis. *Fertil Steril* 94: 2860-2863, 2010
43. Khan KN, Kitajima M, Hiraki K, Fujishita A, Nakashima M, Ishimaru T, Masuzaki H: Cell proliferation effect of GnRH agonist on pathological lesions of women with endometriosis, adenomyosis and uterine myoma. *Hum Reprod* 25: 2878-2890, 2010
44. Hirakawa H, Shibata K, Ohzono E: Use of a semi-dry dot-blot for rapid detection of lymph node metastasis. *Clin Chim Acta* 411: 1149-1150, 2010
45. Matsuu-Matsuyama M, Nakashima M, Shichijo K, Okaichi K, Nakayama T, Sekine I: Basic fibroblast growth factor suppresses radiation-induced apoptosis and TP53 pathway in rat small intestine. *Radiat Res* 174: 52-61, 2010
46. Inoue N, Isomono H, Matsushima K, Hayashi T, Kunizaki M, Hidaka S, Machida H, Mitsutake N, Nanashima A, Takeshima F, Nakayama T, Ohtsuru A, Nakashima M, Nagayasu T, Yamashita S, Nakao K, Kohno S: Down-regulation of microRNA 10a expression in esophageal squamous cell carcinoma cells. *Oncol Lett* 1: 527-531,

2010

47. Nanashima A, Abo T, Tobinaga S, Kunizaki M, Hidaka S, Nonaka T, Miuma S, Taura N, Miyaaki H, Nakashima M, Sawai T, Nakao K, Nagayasu T: Relationship between period of survival and clinicopathological characteristics in patients with hepatocellular carcinoma who underwent hepatectomy. *Hepatogastroenterology* 57: 540-546, 2010
48. Yokomine T, Hirakawa H, Ozawa E, Shibata K, Nakayama T: Pulmonary thrombotic microangiopathy caused by gastric carcinoma. *J Clin Pathol* 63: 367-369, 2010
49. Dzodic R, Stanojevic B, Saenko V, Nakashima M, Markovic I, Pupic G, Buta M, Inic M, Rogounovitch T, Yamashita S: Intraductal papilloma of ectopic breast tissue in axillary lymph node of a patient with a previous intraductal papilloma of ipsilateral breast: a case report and review of the literature. *Diagn Pathol* 5: 17, 2010
50. Horie I, Ando T, Inokuchi N, Mihara Y, Miura S, Imaizumi M, Usa T, Kinoshita N, Sekine I, Kamihara S, Eguchi K: First Japanese patient treated with parathyroid hormone peptide immunization for refractory hypercalcemia caused by metastatic parathyroid carcinoma. *Endocr J* 57: 287-292, 2010
51. Shichijo K, Ihara M, Miura S, Kurashige T, Matsuyama M, Nakashima M, Nakayama T, Sekine I: DNA damage response in aberrant crypt foci of radiation colitis as a anti-cancer barrier in early tumorigenesis. *Gastroenterol* 138(Suppl.1): S509, 2010
52. Nagayama Y: Observations on the proposed “nonclassical” model of autoimmune hypothyroidism. *Thyroid* 20(6): 665-666, 2010
53. Nakahara M, Mitsutake N, Sakamoto H, Ichikawa T, Abiru N, Chen C-R, Rapoport B, McLachlan SM, Nagayama Y: Enhanced response to mouse thyrotropin (TSH) receptor immunization in TSH knockout mice. *Endocrinology* 151(8): 4047-4054, 2010
54. Chen C-R, Hamidi S, Braley-Mullen H, Nagayama Y, Bresee CMS, Rapoport B, McLachlan SM: Antibodies to thyroid peroxidase arise spontaneously with age in NOD.H-2h4 mice but are not associated with experimentally induced thyroiditis. *Endocrinology* 151(9): 4583-4593, 2010

55. Tiwari VN, Kiyono Y, Kobayashi M, Mori T, Kudo T, Okazawa H, Fujibayashi Y: Automatic labeling method for injectable ^{15}O -oxygen using hemoglobin-containing liposome vesicles and its application for measurement of brain oxygen consumption by PET. *Nucl Med Biol* 37(1): 77-83, 2010
56. Tsujikawa T, Yoneda M, Shimizu Y, Uematsu H, Toyooka M, Ikawa M, Kudo T, Okazawa H, Kuriyama M, Kimura H: Pathophysiologic evaluation of MELAS strokes by serially quantified MRS and CASL perfusion images. *Brain Dev* 32(2): 143-149, 2010
57. Isozaki M, Arai Y, Kudo T, Kiyono Y, Kobayashi M, Kubota T, Kikuta K, Okazawa H: Clinical implication and prognosis of normal baseline cerebral blood flow with impaired vascular reserve in patients with major cerebral artery occlusive disease. *Ann Nucl Med* 24(5): 371-377, 2010
58. Arakawa K, Kudo T, Ikawa M, Morikawa N, Kawai Y, Sahashi K, Lee JD, Kuriyama M, Miyamori I, Okazawa H, Yoneda M: Abnormal myocardial energy-production state in mitochondrial cardiomyopathy and acute response to L-arginine infusion. C-11 acetate kinetics revealed by positron emission tomography. *Circ J* 74(12): 2702-2711, 2010
59. Nishihara K, Kinoshita H, Kurotaki N, Ozawa H, Imamura A: Could subclinical hypothyroidism cause periodic catatonia with delusional misidentification syndrome? *Psychiatry Clin Neurosci* 64(3): 338, 2010
60. Iwai S, Senju H, Kaneda R, Iguchi A, Hayashi Y, Ozawa H, Honda S, Higashijima M: Personality Traits of Patients with Chronic Obstructive Pulmonary Disease Who Exhibit Depression. *J Phys Therapy Sci* 22(2): 93-99, 2010
61. Ono S, Imamura A, Tasaki S, Kurotaki N, Ozawa H, Yoshiura K, Okazaki Y: Failure to confirm CNVs as of aetiological significance in twin pairs discordant for schizophrenia. *Twin Res Hum Genet* 13(5): 455-460, 2010
62. Tanii H, Nishimura Y, Inoue K, Hara N, Nishida A, Okada M, Imamura A, Kaiya H, Okazaki Y: Frontal lobe dysfunction in panic disorder: a comparison of multichannel near-infrared spectroscopy in monozygotic twins discordant for panic disorder. *J Neuropsychiatry Clin Neurosci* 22(2): E3-4, 2010
63. Ozawa H, Ichinose H, Kanai A, Nakane H, Kinoshita H: Nagasaki schizophrenia study: Relationship between ultralong-term outcome (after 28 years) and duration

of untreated psychosis. *Int J Neuropsychopharmacol* 13(S1): 231, 2010

64. Takahashi N, Wakita H, Miura M, Scott SA, Nishii K, Masuko M, Sakai M, Maeda Y, Ishige K, Kashimura M, Fujikawa K, Fukazawa M, Katayama T, Monma F, Narita M, Urase F, Furukawa T, Miyazaki Y, Katayama N, Sawada K: Correlation Between Imatinib Pharmacokinetics and Clinical Response in Japanese Patients With Chronic-Phase Chronic Myeloid Leukemia. *Clin Pharmacol Ther* 88(6): 809-813, 2010
65. Jinnai I, Sakura T, Tsuzuki M, Maeda Y, Usui N, Kato M, Okumura H, Kyo T, Ueda Y, Kishimoto Y, Yagasaki F, Tsuboi K, Horiike S, Takeuchi J, Iwanaga M, Miyazaki Y, Miyawaki S, Ohnishi K, Naoe T, Ohno R: Intensified consolidation therapy with dose-escalated doxorubicin did not improve the prognosis of adults with acute lymphoblastic leukemia: the JALSG-ALL97 study. *Int J Hematol* 92(3): 490-502, 2010
66. Hishizawa M, Kanda J, Utsunomiya A, Taniguchi S, Eto T, Moriuchi Y, Tanosaki R, Kawano F, Miyazaki Y, Masuda M, Nagafuji K, Hara M, Takanashi M, Kai S, Atsuta Y, Suzuki R, Kawase T, Matsuo K, Nagamura-Inoue T, Kato S, Sakamaki H, Morishima Y, Okamura J, Ichinohe T, Uchiyama T: Transplantation of allogeneic hematopoietic stem cells for adult T-cell leukemia: a nationwide retrospective study. *Blood* 116(8): 1369-1376, 2010
67. Matsuda A, Germing U, Jinnai I, Araseki K, Kuendgen A, Strupp C, Iwanaga M, Miyazaki Y, Hata T, Bessho M, Gattermann N, Tomonaga M: Differences in the distribution of subtypes according to the WHO classification 2008 between Japanese and German patients with refractory anemia according to the FAB classification in myelodysplastic syndromes. *Leuk Res* 34(8): 974-980, 2010
68. Nagai T, Takeuchi J, Dobashi N, Kanakura Y, Taniguchi S, Ezaki K, Nakaseko C, Hiraoka A, Okada M, Miyazaki Y, Motoji T, Higashihara M, Tsukamoto N, Kiyo H, Nakao S, Shinagawa K, Ohno R, Naoe T, Ohnishi K, Usui N: Imatinib for newly diagnosed chronic-phase chronic myeloid leukemia: results of a prospective study in Japan. *Int J Hematol* 92(1): 111-117, 2010
69. Yamashita Y, Yuan J, Suetake I, Suzuki H, Ishikawa Y, Choi YL, Ueno T, Soda M, Hamada T, Haruta H, Takada S, Miyazaki Y, Kiyo H, Ito E, Naoe T, Tomonaga M, Toyota M, Tajima S, Iwama A, Mano H: Array-based genomic resequencing of

human leukemia. *Oncogene* 29(25): 3723-3731, 2010

70. Takasaki Y, Iwanaga M, Imaizumi Y, Tawara M, Joh T, Kohno T, Yamada Y, Kamihira S, Ikeda S, Miyazaki Y, Tomonaga M, Tsukasaki K: Long-term study of indolent adult T-cell leukemia- lymphoma (ATL). *Blood* 115(22): 4337-4343, 2010
71. Sakamaki H, Miyawaki S, Ohtake S, Ygasaki F, Mitani K, Matsuda S, Kishimoto Y, Miyazaki Y, Asou N, Takahashi M, Ogawa Y, Honda S, Ohno R: Allogeneic Stem Cell Transplantation versus Chemotherapy as Post-remission Therapy for Intermediate or Poor Risk Adult Acute Myeloid Leukemia: Results of the JALSG AML97 Study. *Int J Hematol* 91(2): 284-292, 2010
72. Ohtake S, Miyawaki S, Kiyoi H, Miyazaki Y, Okumura H, Matsuda S, Nagai T, Kishimoto Y, Okada M, Takahashi M, Honada H, Takeuchi J, Kageyama S, Asou N, Yagasaki N, Maeda Y, Ohnishi K, Naoe T, Ohno R: Randomized Trial of Response-Oriented Individualized versus Fixed Schedule Induction Chemotherapy with Idarubicin and Cytarabine in Adult Acute Myeloid Leukemia: The JALSG AML95 Study. *Int J Hematol* 91(2): 276-283, 2010
73. Morita Y, Kanamaru A, Miyazaki Y, Imanishi D, Yagasaki F, Tanimoto M, Kuriyama K, Kobayashi T, Imoto S, Ohnishi K, Naoe T, Ohno R: Comparative analysis of remission induction therapy for high-risk MDS and AML progressed from MDS in the MDS200 study of Japan Adult Leukemia Study Group. *Int J Hematol* 91(1): 97-103, 2010