



IALM Scientific Committee (2013 – 2015)

Professor Takaki Ishikawa (Japan)

Personal Details

Born: 29 March 1973

Nationality: Japan

Sex: Male

Present Position

Professor

Division of Legal Medicine

Faculty of Medicine, Tottori University

Education

1993-1999 Kawasaki Medical School, Okayama, Japan

1999-2003 Department of Legal Medicine

Graduate School of Medicine and Dentistry, Okayama University, Okayama, Japan

Apr. 2003- Dec. 2003 Medical internship Kawasaki Medical School, Okayama, Japan

Professional Experience

2004-2006 Research associate

Department of Legal Medicine

Osaka City University Medical School Osaka, Japan

2007-2009 Assistant professor

Department of Legal Medicine

Osaka City University Medical School Osaka, Japan

2009 Guest researcher

Institute of Legal Medicine

University Hospital Freiburg, Freiburg, Germany

2010-2013 Associate Professor

Department of Legal medicine

Osaka City University Medical School, Osaka, Japan

2013- Professor

Division of Legal Medicine

Faculty of medicine, Tottori University, Tottori, Japan

Skills and Competence acquired in Forensic Medicine

Medico-legal examination of about 4,000 cases including cases of natural death, traffic accidents, assaults, sexual abuse, child abuse, drunk driving accidents, and torture.

Exhumation of remains and bodies surreptitiously disposed of.

Collection of trace material in clinical cases and autopsies.

Special Research Interests

1. Forensic pathology
2. Forensic endocrinology
3. Forensic toxicology

Awards

1. Fifth International Symposium on ADVANCES IN LEGAL MEDICINE (2003). First prize poster presentation (Pathology Division, lead author)
2. Fifth International Symposium on ADVANCES IN LEGAL MEDICINE (2003). First prize poster presentation (DNA Division, coauthor)
3. Osaka City University Medical School, Teacher of the year 2004
4. Excellent article prize (Legal Medicine 2007) (coauthor)
5. 9th Indo-Pacific Congress on Legal Medicine & Forensic Science of The Indo-Pacific Association of Law, Medicine and Science (2007). Third prize poster presentation (lead author)
6. The Japanese Association of Criminology, Investigator Award (2009).
7. Japanese Society of Legal Medicine, Investigator Award (2010).

Publications

1. Postmortem analyses of gaseous and volatile substances in pericardial fluid and bone marrow aspirate. Tominaga M, Ishikawa T, Michiue T et al. J Anal Toxicol. 2013;37:147-51.

2. Postmortem CT investigation of air/gas distribution in the lungs and gastrointestinal tracts of newborn infants: A serial case study with regard to still- and live birth. Michiue T, Ishikawa T, Kawamoto O et al. Forensic Sci Int. 2013;226:74-80.
3. Death following the ingestion of detergent: an autopsy case with special regard to the histochemical findings. Kawamoto O, Ishikawa T, Oritani S et al. Forensic Sci Med Pathol. 2012 (in press).
4. Comprehensive evaluation of pericardial biochemical markers in death investigation. Kawamoto O, Michiue T, Ishikawa T, Maeda H. Forensic Sci Int. 2013;224:73-9.
5. Postmortem serum levels of amylase and gamma glutamyl transferase (GGT) as markers of systemic tissue damage in forensic autopsy. Michiue T, Ishikawa T, Kawamoto O et al. Leg Med (Tokyo). 2013;15:79-84.
6. Pathophysiology of sudden cardiac death as demonstrated by molecular pathology of natriuretic peptides in the myocardium. Chen JH, Michiue T, Ishikawa T, Maeda H. Forensic Sci Int. 2012;223:342-8.
7. Stability of endogenous reference genes in postmortem human brains for normalization of quantitative real-time PCR data: comprehensive evaluation using geNorm, NormFinder, and BestKeeper. Wang Q, Ishikawa T, Michiue T, Zhu BL, Guan DW, Maeda H. Int J Legal Med. 2012;126:943-52.
8. Molecular pathology of pulmonary edema after injury in forensic autopsy cases. Wang Q, Ishikawa T, Michiue T, Zhu BL, Guan DW, Maeda H. Int J Legal Med. 2012;126:875-82.
9. Molecular pathology of natriuretic peptides in the myocardium with special regard to fatal intoxication, hypothermia, and hyperthermia. Chen JH, Michiue T, Ishikawa T, Maeda H. Int J Legal Med. 2012;126:747-56.
10. Quantitative immunohistochemical analysis of human brain basic fibroblast growth factor, glial fibrillary acidic protein and single-stranded DNA expressions following traumatic brain injury. Wang Q, Ishikawa T, Michiue T, Zhu BL, Guan DW, Maeda H. Forensic Sci Int. 2012;221:142-51.
11. Molecular pathology of pulmonary surfactants and cytokines in drowning compared with other asphyxiation and fatal hypothermia. Miyazato T, Ishikawa T, Michiue T, Maeda H. Int J Legal Med. 2012;126:581-7
12. Quantitative analysis of pulmonary pathophysiology using postmortem computed tomography with regard to the cause of death. Michiue T, Sakurai T, Ishikawa T, Oritani S, Maeda H. Forensic Sci Int. 2012;220:232-8.
13. Difference in molecular pathology of natriuretic peptides in the myocardium between acute asphyxial and cardiac deaths. Chen JH, Michiue T, Ishikawa T, Maeda H. Leg Med (Tokyo). 2012;14:177-82

14. Intrapulmonary aquaporin-5 expression as a possible biomarker for discriminating smothering and choking from sudden cardiac death: a pilot study. Wang Q, Ishikawa T, Michiue T, Zhu BL, Guan DW, Maeda H. *Forensic Sci Int.* 2012;220:154-7
15. Postmortem CT investigation of skeletal and dental maturation of the fetuses and newborn infants: a serial case study. Sakurai T, Michiue T, Ishikawa T, Yoshida C, Sakoda S, Kano T, Oritani S, Maeda H. *Forensic Sci Med Pathol.* 2012;8:351-7.
16. Evaluation of human brain damage in fatalities due to extreme environmental temperature by quantification of basic fibroblast growth factor (bFGF), glial fibrillary acidic protein (GFAP), S100 β and single-stranded DNA (ssDNA) immunoreactivities. Wang Q, Ishikawa T, Michiue T, Zhu BL, Guan DW, Maeda H. *Forensic Sci Int.* 2012;219:259-64.
17. Combined analyses of creatine kinase MB, cardiac troponin I and myoglobin in pericardial and cerebrospinal fluids to investigate myocardial and skeletal muscle injury in medicolegal autopsy cases. Wang Q, Michiue T, Ishikawa T, Zhu BL, Maeda H. *Leg Med (Tokyo).* 2011;13:226-32.
18. Evaluation of postmortem serum and cerebrospinal fluid growth hormone levels in relation to the cause of death in forensic autopsy. Ishikawa T, Michiue T, Maeda H. *Hum Cell.* 2011;24:74-7.
19. Evaluation of human brain damage in fire fatality by quantification of basic fibroblast growth factor (bFGF), glial fibrillary acidic protein (GFAP) and single-stranded DNA (ssDNA) immunoreactivities. Wang Q, Ishikawa T, Michiue T, Zhu BL, Maeda H. *Forensic Sci Int.* 2011;211:19-26.
20. An autopsy case of unexpected sudden death due to rupture of a thoracic aortic aneurysm into the left lung. Chen JH, Ishikawa T, Michiue T, Maeda H. *Leg Med (Tokyo).* 2011;13:201-4.
21. Forensic biochemistry for functional investigation of death: concept and practical application. Maeda H, Ishikawa T, Michiue T. *Leg Med (Tokyo).* 2011;13:55-67.
22. Postmortem serotonin levels in cerebrospinal and pericardial fluids with regard to the cause of death in medicolegal autopsy. Quan L, Ishikawa T, Hara J, Michiue T, Chen JH, Wang Q, Zhu BL, Maeda H. *Leg Med (Tokyo).* 2011;13:75-8.
23. Hemorrhage from a cavernous hemangioma with fatal blood aspiration: a rare cause of sudden unexpected death. Ishikawa T, Pollak S, Perdekamp MG, Thierauf A, Maeda H. *Leg Med (Tokyo).* 2010;12:308-12.
24. Fatal facial-intracranial impalement injury in an accidental fall from a height: An autopsy case report with a review of the literature. Wang Q, Ishikawa T, Michiue T, Maeda H. *Forensic Sci Int.* 2010;200:e21-4
25. Unexpected sudden death due to intracranial chordoma: An autopsy case. Li DR,

Ishikawa T, Zhao D, Michiue T, Quan L, Zhu BL, Maeda H. Forensic Sci Int. 2010;200:e15-8.

26. Postmortem serum erythropoietin level as a marker of survival time in injury deaths. Quan L, Zhu BL, Ishikawa T, Michiue T, Zhao D, Ogawa M, Maeda H. Forensic Sci Int. 2010;200:117-22.

27. Morphological and functional alterations in the adenohypophysis in cases of brain death. Ishikawa T, Michiue T, Quan L, Zhao D, Komatsu A, Bessho Y, Maeda H. Leg Med. 2009, 11: S234-7.

28. Immunohistochemical distribution of chromogranin A in medicolegal autopsy materials. Yoshida C, Ishikawa T, Michiue T, Zhao D, Komatsu A, Quan L, Maeda H. Leg Med. 2009, 11: S231-3.

29. Postmortem lung weight with regard to survival time. Chen JH, Quan L, Ishikawa T, Michiue T, Wang Q, Zhu BL, Maeda H. Leg Med. 2009, 11: S238-40.

30. Pathological and biochemical analysis of the pathophysiology of fatal electrocution in five autopsy cases. Michiue T, Ishikawa T, Zhao D, Kamikodai Y, Zhu BL, Maeda H. Leg Med. 2009, 11: S549-52.

31. Evaluation of postmortem S100B levels in the cerebrospinal fluid with regard to the cause of death in medicolegal autopsy. Li DR, Michiue T, Zhu BL, Ishikawa T, Quan L, Zhao D, Yoshida C, Chen JH, Wang Q, Komatsu A, Azuma Y, Maeda H. Leg Med. 2009, 11: S273-5.

32. Histopathological changes of the hippocampus neurons in brain injury. Li DR, Ishikawa T, Zhao D, Michiue T, Quan L, Zhu BL, Maeda H. Histol Histopathol. 2009, 24: 1113-20.

33. Postmortem biochemistry and immunohistochemistry of chromogranin A as a stress marker with special regard to fatal hypothermia and hyperthermia. Yoshida C, Ishikawa T, Michiue T, Quan L, Maeda H. Int J Legal Med. 2009 (in press).

34. Undiagnosed late-onset chylothorax accompanied by fatal acute pulmonary thromboembolism after surgical treatment of lung cancer: an autopsy case and review of the literature. Ishikawa T, Michiue T, Zhao D, Quan L, Li DR, Maeda H. Leg Med. 2010, 12: 35-8.

35. Pulmonary arteriovenous malformation causing sudden death due to spontaneous hemothorax. Ishikawa T, Pollak S, Pflugradt R, Bohnert M, Große Perdekamp M, Thierauf A, Maeda H. Int J Legal Med. 2009 (in press).

36. An unusual presentation of thoracic aortic aneurysm rupturing into the esophagus: an autopsy case report. Ambepitiya SG, Michiue T, Bessho Y, Kamikodai Y, Ishikawa T, Maeda H. Forensic Sci Med Pathol. 2010 (in press).

37. Cardiothoracic ratio in postmortem chest radiography with regard to the cause of

death. Michiue T, Ishikawa T, Sakoda S, Quan L, Li DR, Kamikodai Y, Okazaki S, Zhu BL, Maeda H. Leg Med. 2010, 12:73-8.

38. Cerebellar contusions as a possible cause of traumatic basal subarachnoid hemorrhage: a case report. Chen JH, Ishikawa T, Michiue T, Maeda H. Leg Med. 2010; 12: 97-9.

39. Morphological analysis of astrocytes in the hippocampus in mechanical asphyxiation. Li DR, Ishikawa T, Quan L, Zhao D, Michiue T, Zhu BL, Wang HJ, Maeda H. Leg Med. 2010; 12: 63-7.

40. Immunohistochemistry of catecholamines in the hypothalamic-pituitary-adrenal system with special regard to fatal hypothermia and hyperthermia. Ishikawa T, Yoshida C, Michiue T, Perdekamp MG, Pollak S, Maeda H. Leg Med. 2010; 12: 121-7.

41. Secondary skull fractures in head wounds inflicted by captive bolt guns: autopsy findings and experimental simulation. Große Perdekamp M, Kneubuehl BP, Ishikawa T, Nadjem H, Kromeier J, Pollak S, Thierauf A. Int J Legal Med. 2010 (in press).

42. Quantitative analysis of single-stranded DNA immunoreactivity as a marker of neuronal apoptosis in hippocampus with regard to the causes of death in medicolegal autopsy. Michiue T, Quan L, Ishikawa T, Zhu BL, Maeda H. Leg Med 2009 (in press).

43. Postmortem mRNA quantification for investigation of infantile death: A comparison with adult cases. Zhao D, Ishikawa T, Quan L, Michiue T, Yoshida C, Komatu A, Chen JH, Wang Q, Zhu BL, Maeda H. Leg Med 2009 (in press).

44. Significance of postmortem biochemistry in determining the cause of death. Maeda H, Zhu BL, Ishikawa T, Quan L, Michiue T. Leg Med 2009 (in press).

45. Postmortem quantitative mRNA analyses of death investigation in forensic pathology: An overview and prospects. Zhao D, Ishikawa T, Quan L, Michiue T, Zhu BL, Maeda H. Leg Med 2009 (in press).

46. Evaluation of pulmonary GLUT1 and VEGF mRNA levels in relation to lung weight in medicolegal autopsy cases. Zhao D, Ishikawa T, Quan L, Michiue T, Yoshida C, Komatu A, Chen JH, Wang Q, Zhu BL, Maeda H. Leg Med 2009 (in press).

47. Immunohistochemistry of von Willebrand factor in the lungs with regard to the cause of death in forensic autopsy. Quan L, Ishikawa T, Zhao D, Michiue T, Yoshida C, Chen JH, Wang Q, Zhu BL, Maeda H. Leg Med 2009 (in press).

48. Analysis of postmortem biochemical findings with regard to the lung weight in drowning. Maeda H, Zhu BL, Ishikawa T, Quan L, Michiue T, Bessho Y, Okazaki S, Kamikodai Y, Tsuda K, Komatsu A, Azuma Y. Leg Med 2009 (in press).

49. Immunohistochemical distribution of basic fibroblast growth factor (bFGF) in medicolegal autopsy. Wang Q, Ishikawa T, Quan L, Zhao D, Li DR, Michiue T, Chen JH,

Zhu BL, Maeda H. Leg Med 2009 (in press).

50. Analyses of cardiac blood cells and serum proteins with regard to cause of death in forensic autopsy cases. Quan L, Ishikawa T, Michiue T, Li DR, Zhao D, Yoshida C, Chen JH, Komatsu A, Azuma Y, Sakoda S, Zhu BL, Maeda H. Leg Med 2009 (in press).

51. Postmortem serum levels of pulmonary surfactant-associated proteins A and D with regard to the cause of death in medicolegal autopsy. Quan L, Zhu BL, Ishikawa T, Michiue T, Zhao D, Yoshida C, Chen JH, Wang Q, Komatsu A, Azuma Y, Maeda H. Leg Med (in press).

52. Potential risk factors for sudden cardiac death: An analysis of medicolegal autopsy cases. Maeda H, Michiue T, Zhu BL, Ishikawa T, Quan L, Bessho Y, Okazaki S, Kamikodai Y, Tsuda K, Komatsu A, Azuma Y. Leg Med 2009 (in press).

53. Analysis of cardiac troponins and creatine kinase MB in cerebrospinal fluid in medicolegal autopsy cases. Maeda H, Michiue T, Zhu BL, Ishikawa T, Quan L. Leg Med 2009 (in press).

54. Evaluation of postmortem calcium and magnesium levels in the pericardial fluid with regard to the cause of death in medicolegal autopsy. Li DR, Quan L, Zhu BL, Ishikawa T, Michiue T, Zhao D, Yoshida C, Chen JH, Wang Q, Komatsu A, Azuma Y, Maeda H. Leg Med 2009 (in press).

55. Suicidal vehicle-assisted ligature strangulation resulting in complete decapitation: An autopsy report and a review of the literature. Zhao D, Ishikawa T, Quan L, Li DR, Michiue T, Maeda H. Leg Med 10, 310-315, 2008.

56. Postmortem serum erythropoietin levels in establishing the cause of death and survival time at medicolegal autopsy. Quan L, Zhu BL, Ishikawa T, Michiue T, Zhao D, Li DR, Ogawa M, Maeda H. Int J Legal Med 122, 481-487, 2008.

57. An autopsy case of an infant with Joubert syndrome who died unexpectedly and a review of the literature. Ishikawa T, Zhu BL, Li DR, Zhao D, Michiue T, Maeda H. Forensic Sci Int 179, 67-73, 2008.

58. Postmortem biochemistry and immunohistochemistry of adrenocorticotrophic hormone with special regard to fatal hypothermia. Ishikawa T, Quan L, Li DR, Zhao D, Michiue T, Hamel M, Maeda H. Forensic Sci Int 179, 147-151, 2008.

59. Comparative evaluation of postmortem serum concentrations of neopterin and C-reactive protein. Ishikawa T, Hamel M, Zhu BL, Li DR, Zhao D, Michiue T, Maeda H. Forensic Sci Int 179, 135-43, 2008.

60. Single-stranded DNA as an immunohistochemical marker of neuronal damage in human brain: an analysis of autopsy material with regard to the cause of death. Michiue T, Ishikawa T, Quan L, Li DR, Zhao D, Komatsu A, Zhu BL, Maeda H. Forensic Sci Int 178,

185-91, 2008.

61. Tissue-specific differences in mRNA quantification of glucose transporter 1 and vascular endothelial growth factor with special regard to death investigations of fatal injuries. Zhao D, Ishikawa T, Quan L, Li DR, Michiue T, Yoshida C, Komatu A, Chen JH, Zhu BL, Maeda H. *Forensic Sci Int* 177, 176-183, 2008.

62. A fatal case of hypothermia associated with hemorrhages of the pectoralis minor, intercostal, and iliopsoas muscles. Ogata M, Ago K, Ago M, Kondo T, Kasai K, Ishikawa T, Mizukami H. *Am J Forensic Med Pathol* 28, 348-352, 2007.

63. Forensic pathological investigation of myocardial hypoxia-inducible factor-1 alpha, erythropoietin and vascular endothelial growth factor in cardiac death. Zhu BL, Tanaka S, Ishikawa T, Zhao D, Li DR, Michiue T, Quan L, Maeda H. *Leg Med* 10, 11-19, 2008.

64. Immunohistochemical investigation of ubiquitin and myoglobin in the kidney in medicolegal autopsy cases. Ishikawa T, Zhu B-L, Li D-R, Zhao D, Michiue T, Maeda H. *Forensic Sci Int* 171, 136-141, 2007.

65. Forensic pathological investigation of myocardial hypoxia-inducible factor-1 α , erythropoietin and vascular endothelial growth factor in cardiac death. Zhu B-L, Tanaka S, Ishikawa T, Zhao D, Li D-R, Michiue T, Quan L, Maeda H. *Leg Med* 10, 11-19, 2007.

66. Mouse model of paraquat-poisoned lungs and its gene expression profile. Tomita M, Okuyama T, Katsuyama H, Miura Y, Nishimura Y, Hidaka K, Otsuki T, Ishikawa T. *Toxicology* 231, 200-209, 2007.

67. Postmortem pericardial natriuretic peptides as markers of cardiac function in medicolegal autopsies. Zhu B-L, Ishikawa T, Michiue T, Li D-R, Zhao D, Tanaka S, Kamikodai Y, Tsuda K, Maeda H. *Int J Legal Med* 121, 28-35, 2007.

68. Postmortem serum catecholamine levels in relation to the cause of death. Zhu B-L, Ishikawa T, Michiue T, Li D-R, Zhao D, Quan L, Oritani S, Bessho Y, Maeda H. *Forensic Sci Int* 173, 122-129, 2007.

69. Comparative study on the effect of ethnicity on wisdom tooth eruption. Olze A, van Niekerk P, Ishikawa T, Zhu B-L, Schulz R, Maeda H, Schmeling A. *Int J Legal Med* 121, 445-448, 2007.

70. Studies of the chronological course of wisdom tooth eruption in a Japanese population. Olze A, Ishikawa T, Zhu B-L, Schulz R, Heinecke A, Maeda H, Schmeling A. *Forensic Sci Int* 174, 203-206, 2007.

71. Postmortem cardiac troponin I and creatinine kinase MB levels in the blood and pericardial fluid as markers of myocardial damage in medicolegal. Zhu B-L, Ishikawa T, Michiue T, Li D-R, Zhao D, Bessho Y, Kamikodai Y, Tsuda K, Okazaki S, Maeda H. *Leg Med* 9, 241-250, 2007.

72. An autopsy case of internal jugular vein thrombophlebitis involving sepsis following blunt neck injury. Ishikawa T, Zhu B-L, Li Dr, Zhao D, Michiue T, Maeda H. J Forensic Leg Med 15, 114-117, 2007.
73. Increase in clusterin-containing follicles in the adenohypophysis of drug abusers. Ishikawa T, Zhu B-L, Miyaishi S, Ishizu H, Maeda H. Int J Legal Med 121, 395-402, 2007.
74. A fatal case of hypothermia associated with hemorrhage of the pectoralis minor. Ogata M, Ago K, Ago M, Kondo T, Kasai K, Ishikawa T, Mizukami H. Am J Forensic Med Pathol 2006. (in press)
75. Differences in postmortem urea nitrogen, creatinine and uric acid levels between blood and pericardial fluid. Zhu B-L, Ishikawa T, Michiue T, Tanaka S, Zhao D, Li D-R, Quan L, Oritani S, Maeda H. Leg Med 9, 115-122, 2006.
76. Quantitative RT-PCR assays of hypoxia-inducible factor-1alpha, erythropoietin and vascular endothelial growth factor mRNA transcripts in the kidneys with regard to the cause of death in medicolegal autopsy. Zhao D, Zhu B-L, Ishikawa T, Li D-R, Michiue T, Maeda H. Leg Med 8, 258-263, 2006.
77. Evaluation of post-mortem ethanol concentrations in pericardial fluid and bone marrow aspirate. Maeda H, Zhu B-L, Ishikawa T, Oritani S, Michiue T, Li D-R, Zhao D, Ogawa M. Forensic Sci Int 161, 141-143, 2006.
78. Distribution of orally ingested hydrochloric acid in the thoracoabdominal cavity after death. Yoshitome K, Miyaishi S, Ishikawa T, Yamamoto Y, Ishizu H. J Anal Toxicol 30, 278-280, 2006
79. Postmortem pericardial natriuretic peptides as markers of cardiac function in medicolegal autopsies. Zhu B-L, Ishikawa T, Michiue T, Li D-R, Zhao D, Tanaka S, Kamikodai Y, Tsuda K, Okazaki S, Maeda H. Int J Legal Medicine 121, 28-35, 2006.
80. Effect of sodium azide on the metabolic activity of cultured fetal cell. Ishikawa T, Zhu B-L, Maeda H. Toxicol Ind Health 22, 337-341, 2006.
81. Paraquat-induced gene expression in rat kidney. Tomita M, Okuyama T, Katsuyama H, Ishikawa T. Arch Toxicol 80, 687-693, 2006.
82. Postmortem cardiac troponin T levels in the blood and pericardial fluid. Part 2. Analysis for application in the diagnosis of sudden cardiac death with regard to pathology. Zhu B-L, Ishikawa T, Michiue T, Li D-R, Zhao D, Kamikodai Y, Tsuda K, Okazaki S, Maeda H. Leg Med 8, 94-101, 2006.
83. Postmortem cardiac troponin T levels in the blood and pericardial fluid. Part 1. Analysis with special regard to traumatic cases of death. Zhu B-L, Ishikawa T, Michiue T, Li D-R, Zhao D, Oritani S, Kamikodai Y, Tsuda K, Okazaki S, Maeda H. Leg Med 8, 86-93, 2006.
84. Real-time RT-PCR quantitative assays and postmortem degradation profiles of

- erythropoietin, vascular endothelial growth factor and hypoxia-inducible factor 1 alpha mRNA transcripts in forensic autopsy materials. Zhao D, Zhu B-L, Ishikawa T, Li D-R, Maeda H. Leg Med 8, 132-136, 2006.
85. Postmortem serum S100B levels with regard to the cause of death involving brain damage in medicolegal autopsy cases. Li D-R, Zhu B-L, Ishikawa T, Zhao D, Michiue T, Maeda H. Leg Med 8: 71-77, 2006.
86. Immunohistochemical distribution of S-100 protein in the cerebral cortex with regard to the cause of death in forensic autopsy. Li D-R, Zhu B-L, Ishikawa T, Zhao D, Michiue T, Maeda H. Leg Med 8, 78-85, 2006.
87. Gene expression in rat lungs during early response to paraquat-induced oxidative stress. Tomita M, Okuyama T, Katsuyama H, Hidaka K, Otsuki T, Ishikawa T. Int J Mol Med 17, 37-44, 2006.
88. Effect of therapeutic agents on cellular respiration as an indication of metabolic activity. Ishikawa T, Zhu B-L, Maeda H. Hum Exp Toxicol 8, 28-33, 2006.
89. Postmortem stability of pituitary hormones in the human adenohypophysis. Ishikawa T, Zhu B-L, Li D-R, Zhao D, Michiue T, Maeda H. Leg Med 8, 34-38, 2006.
90. Age dependent increase of clusterin in human pituitary gland. Ishikawa T, Zhu B-L, Li D-R, Zhao D, Michiue T, Maeda H. Leg Med 8, 28-33, 2006.
91. Evaluation of postmortem urea nitrogen, creatinine and uric acid levels in pericardial fluid in forensic autopsy. Zhu B-L, Ishikawa T, Michiue T, Li D-R, Zhao D, Maeda H. Leg Med 7, 287-292, 2005.
92. Morphological and neuroendocrine changes of the hypophysis in malnutrition in elderly subjects. Ishikawa T, Zhu B-L, Miyaishi S, Ishizu H, Maeda H. Hum cell 18, 3-4, 2005.
93. Pathology of experimental disuse muscular atrophy in rats. Ishikawa T, Shimizu M, Mikawa Y, Zhu B-L, Quan L, Li D-R, Zhao D, Maeda H. Connect Tissue Res 46, 101-106, 2005.
94. Epstein-Barr Virus Myocarditis as a Cause of Sudden Death: Two-Autopsy Cases. Ishikawa T, Zhu B-L, Li D-R, Zhao D, Maeda H. Int J Legal Med 119, 231-235, 2005.
95. Evaluation of postmortem serum calcium and magnesium levels in relation to the causes of death in forensic autopsy. Zhu B-L, Ishikawa T, Quan L, Li D-R, Zhao D, Michiue T, Maeda H. Forensic Sci Int 155, 18-23, 2005.
96. Possible factors contributing to the postmortem lung weight in fire fatalities. Zhu B-L, Ishikawa T, Quan L, Oritani S, Li D-R, Zhao D, Michiue T, Maeda H. Leg Med 7, 139-143, 2005.
97. Ubiquitin immunoreactivity in the midbrain as a marker of stress to motor nervous systems in fatal injury. Quan L, Ishikawa T, Michiue T, Li D-R, Zhao D, Zhu B-L, Maeda H.

Leg Med 7, 157-163, 2005.

98. Ubiquitin-immunoreactive structures in the midbrain of methamphetamine abusers. Quan L, Ishikawa T, Michiue T, Li D-R, Zhao D, Oritani S, Zhu B-L, Maeda H. Leg Med 7, 144-150, 2005.

99. Quantitative analysis of ubiquitin-immunoreactivity in the midbrain periaqueductal gray matter with regard to the causes of death in forensic autopsy. Quan L, Ishikawa T, Michiue T, Li D-R, Zhao D, Zhu B-L, Maeda H. Leg Med 7, 151-156, 2005.

100. Fatal hemoperitoneum from traumatic gallbladder avulsion with an arterial tear: A case report. Quan L, Zhu B-L, Ishikawa T, Li D-R, Zhao D, Maeda H. Osaka City Med J 51, 37-41, 2005.

101. Quantitative morphometry of granular 'dot-like' ubiquitin-immunoreactivity in the crus cerebri in asphyxiation and fire fatalities. Quan L, Ishikawa T, Michiue T, Li D-R, Zhao D, Zhu B-L, Maeda H. Leg Med 7, 81-88, 2005.

102. Postmortem serum endotoxin level in relation to the causes of death. Zhu B-L, Ishikawa T, Michiue T, Quan L, Maeda H. Leg Med 7, 103-109, 2005.

103. A new 39-plex analysis method for SNPs including 15 blood group loci. Inagaki S, Yamamoto Y, Doi Y, Takata T, Ishikawa T, Imabayashi K, Yoshitome K, Miyaishi S, Ishizu H. Forensic Sci Int 144, 45-57, 2004.

104. Early differential gene expression of rat lung after exposure to paraquat. Tomita M, Okuyama T, Hidaka K, Ishikawa T, Adachi J, Nohono T. Free Radic Research 38, 821-829, 2004.

105. Fatal hypothermia related vacuolation of hormone-producing cells in the anterior pituitary. Ishikawa T, Miyaishi S, Tachibana T, Ishizu H, Zhu B-L, Maeda H. Leg Med 6, 157-163, 2004.

106. Sudden unexpected death due to rupture of the stomach. Ishikawa T, Miyaishi S, Yamamoto Y, Yoshitome K, Inagaki S, Ishizu H. Leg Med 5, 60-64, 2003.

107. Age Estimation Using S-100 Protein-Positive Stellate Cells in Anterior Pituitary. Ishikawa T, Tachibana T, Miyaishi S, Ishizu H. Kawasaki Medical Journal 29, 25-31, 2003.

107. Mononuclear Cell Clusters Observed in Pars Intermedius of Human Hypophysis. Ishikawa T, Kohara K, Miyaishi S, Ishizu H, Kaku K. Kawasaki Medical Journal 29, 17-24, 2003.

108. Role of adenohypophyseal mixed cell-follicles in age estimation. Ishikawa T, Miyaishi S, Tachibana T, Yamamoto Y, Ishizu H. Acta Med Okayama 57, 83-89, 2003.

109. Analysis of short tandem repeat (STR) polymorphisms by the powerplex 16 system and capillary electrophoresis: application to forensic practice. Okamoto O, Yamamoto Y, Inagaki S, Yoshitome K, Ishikawa T, Imabayashi K, Miyaishi S, Ishizu H. Acta Med

Okayama 57, 59-71, 2003.

110. Increase of S-100 protein-positive stellate cells in the anterior pituitary of chronic alcoholic patients with fatty liver or fatty cirrhosis. Ishikawa T, Tachibana T, Ishikawa H, Miyaishi S, Ishizu H. Acta Med Okayama 57, 53-58, 2003.

111. Sudden unexpected death due to rupture of the stomach. Ishikawa T, Miyaishi S, Yamamoto Y, Yoshitome K, Inagaki S, Ishizu H. Leg Med 5, 60-64, 2003.

112. Typing of Y chromosome single nucleotide polymorphisms in a Japanese population by a multiplexed single nucleotide primer extension reaction. Inagaki S, Yamamoto Y, Doi Y, Takata T, Ishikawa T, Yoshitome K, Miyaishi S, Ishizu H. Leg Med 4, 202-206, 2002.

113. A case of suffocation by an advertising balloon filled with pure helium gas. Yoshitome K, Ishikawa T, Inagaki S, Yamamoto Y, Miyaishi S, Ishizu H. Acta Med Okayama 56, 53-55, 2002.

114. Allele frequencies of single nucleotide polymorphisms in the second exon of the myoglobin. Takata T, Miyaishi S, Yamamoto Y, Inagaki S, Yoshitome K, Ishikawa T, Ishizu H. Hum Biol 74, 317-320, 2002.

115. Human identification from forensic materials by amplification of a human-specific sequence in the myoglobin gene. Ono T, Miyaishi S, Yamamoto Y, Yoshitome K, Ishikawa T, Ishizu H. Acta Med Okayama 55, 75-84, 2001.