



Publications of Haruhiko Inufusa

Patents

1. Inufusa H, Composition for protection against cell-damaging effects. European Patent 2,594,141. Priority date 2011-11-15.
2. Inufusa H, Composition for protection against cell-damaging effects. Patent Cooperation Treaty (PCT) 2,013,072,441. Priority date 2011-11-15.
3. Greiffenclau M, Inufusa H, Composition for accelerating alcohol metabolism and for reducing the risk of alcohol induced diseases. Patent Cooperation Treaty (PCT) 2012095,509. Priority date 2011-1-14.
4. Inufusa H, Optimized oral glucose tolerance test. U.S. Patent 7,886,697. Priority date 2007-12-6.
5. Inufusa H, Composition for moderating Triglyceride and Cholesterol Levels. European Patent 2,057,905. Priority date 2007-11-12.
6. Inufusa H, Composition for moderating triglyceride and cholesterol levels. Patent Cooperation Treaty (PCT) 2,009,062,910. Priority date 2007-11-12.
7. Greiffenclau M, Inufusa H, Novel compositions and uses thereof. Canadian Patent 2,673,054. Priority date 2006-12-15.
8. Greiffenclau M, Inufusa H, Antioxidant composition and its use in diabetes. European Patent 1,932,542. Priority date 2006-12-15.
9. Inufusa H, Greiffenclau M, Novel compositions and uses thereof. Patent Cooperation Treaty (PCT) 2,008,071,790. priority date 2006-12-15.
10. Greiffenclau M, Inufusa H, Compositions and uses thereof. U.S. Patent 8,633,192. priority date 2006-12-15.
11. Greiffenclau M, Inufusa H, Novel compositions and uses thereof. U.S. Patent 20,080,161,318. Priority date 2006-12-15..

Publications

1. Yasutomi M, Inufusa H, and Iwasa Z. Suture and anastomosis of the digestive canal. *Semin Gastroenterol Surg.* 1985;19:251-265.
2. Inufusa H, Sagara N, Nakano K, Aizawa M, and Yasutomi M. Platelet aggregating activity and metastatic remission of human lung adenocarcinoma cell line KUMLK-2. *Blood and Vessel.* 1988;19:280-282.
3. Inufusa H, Sagara N, and Yasutomi M. Characterization of the platelet aggregating material extracted from human lung cancer cell line which produce spontaneous lung metastasis in nude mice subcutaneous implantation. *Blood and Vessel.* 1988;19:283-286.
4. Sagara N, Inufusa H, Nakano K, Hara S, Aizawa M, Kurooka K, Haeno Y, and Yasutomi M. Tissue plasminogen activator and the development of spontaneous lung metastasis in nude mice hosts of transplanted human lung cancer cells. *Lung Cancer.* 1988;28:843-847.
5. Inufusa H, Sagara N, Yasutomi M, and Matsuo O. Absence of t-PA in spontaneous metastatic lesions induced by a newly established cell line. *Thromb Res.* 1989;53:395-400.
6. Nakano K, Sagara N, Inufusa H, Aizawa M, Hara S, Mori N, and Yasutomi M. The effect of blood transfusion on tumor growth and metastasis formation -a nude mouse-human cancer cell model-. *Hum Cell.* 1989;2:304-306.
7. Sagara N, Inufusa H, Nakano K, Mori N, Aizawa M, Hara S, Hirohata K, and Yasutomi M. Establishment and characterization of human lung cancer cell line KUMLK-2. *Hum Cell.* 1989;2:397-399.
8. Inufusa H, Kojima N, Yasutomi M, and Hakomori S.-i. Human lung adenocarcinoma cell lines with different lung colonization potential(LCP), and a correlation between expression of sialosyl dimeric Lex(defined by MAb FH6) and LCP. *Clin Expl Metastasis.* 1991;9:245-257.
9. Yasutomi M, Inufusa H, Hida J, and Matsuda T. Surgery for cancer of anal and anal canal. *Operation.* 1991;45:1481-1486.
10. Hagiya Y, Fukao M, Ueshima S, Izaki S, Inufusa H, Kamiishi H, Okada K, and Matsuo O. Urokinase-type plasminogen activator and its specific receptor in high metastatic and non-metastatic cell lines derived a human lung adenocarcinoma. *Thrombosis Res.* 1992;65:449-456.
11. Inufusa H, Hara S, Mori N, and Yasutomi M. Establishment and characterization of a human squamous cell carcinoma cell line LK-52 which produce direct activator of

coagulant factor X. *Hum Cell.* 1992;5:287-291.

12. Yasutomi M, Inufusa H, and Shindo K. Diagnosis and therapy for the recto-proctal disease 1. symptoms, pathogenesis and examination. *Surgical Therapy.* 1992;66:718-722.
13. Inufusa H, Adachi T, Mori N, Nakamura M, Hara S, Shindo K, Yasutomi M, and Sasaki T. Enhanced inhibitory effect of polymeric star burst formed YIGSR peptide on newly established nude mouse spontaneous adenocarcinoma metastatic model. *Int J Oncology.* 1993;3:957-962.
14. Mori N, Inufusa H, Adachi T, Hara S, Sagara N, and Yasutomi M. Establishment of a human lung squamous cell carcinoma cell line LK-17, and characterization of procoagulant, platelet aggregation and metastatic potential. *Hum Cell.* 1993;6:226-230.
15. Morikawa E, Yasutomi M, Shindo K, Matsuda T, Mori N, Hida J, Kubo R, Kitaoka M, Nakamura M, Fujimoto K, Inufusa H, Hatta M, and Izumoto G. Distribution of metastatic lymph nodes in colorectal cancer by the modified clearing method. *Dis Colon Rectum.* 1994;37:219-223.
16. Nakamura M, Inufusa H, Adachi T, Shindo K, Yasutomi M. Expression of laminin-binding lectin CBP35 in colorectal cancer: Correlation with liver metastasis. *Jpn J Gastroenterol Surg, Nihon Shokaki Geka Gakkai zasshi.* 1994;91(7):1272-1272.
17. Nakamura M, Inufusa H, Adachi T, Shindo K, Yasutomi M, Matsuura H. Expression of Oncofetal and Normal Fibronectin in Colorectal Cancer. Correlation with Stage, Liver Metastasis and Prognosis. *Jpn J Gastroenterol Surg, Nihon Shokaki Geka Gakkai zasshi.* 1994;27(4):884-891
18. Inufusa H, Nakamura M, Adachi T, Nakatani Y, Shindo K, Yasutomi M, and Matsuura H. Localization of oncofetal and normal fibronectin in colorectal cancer. *Cancer.* 1995;75:2802-2808.
19. Inufusa H, Adachi T, Nakamura M, Shindo K, Yasutomi M, and Kimura Y. Inhibition of experimental metastasis of human adenocarcinoma by cilostazol, a platelet phosphodiesterase inhibitor. *Oncol Rep.* 1995;2:1079-1083.
20. Kubo R, Machidera N, Fujimoto K, Ieda S, Hida J, Inufusa H, Watatani M, Shindo K, and Yasutomi M. Adjuvant therapy of colorectal carcinoma. *Surgical Therapy.* 1995;73:65-69.
21. Watatani M, Tokoro T, Machidera N, Ieda S, Fujimoto K, Hida J, Kubo R, Inufusa H, Shindo K, and Yasutomi M. Management of early colorectal cancer. *Gastroenterol Surg.* 1995;18:739-744.
22. Adachi T, Inufusa H, Nakatani Y, Nakamura M, Funai S, Shindo K, Yasutomi M. Roll of the Tissue Factor and Coagulant Cancer Antigen 1 in the Procoagulant Activity of Colorectal Cancer Cell Lines. *Jpn J Gastroenterol Surg, Nihon Shokaki Geka Gakkai zasshi.* 1995;28(4):977-977.

23. Watatani M, Nishimura K, Ieda S, Fujimoto K, Hida J, Kubo R, Inufusa H, and Yasutomi M. Control of patient one week after the surgery, colon resection. *Clin Surg.* 1995;50:118-122.
24. Hagiya Y, Fukao H, Ueshima S, Okada K, Inufusa H, Kamiishi H, and Matsuo O. Enhanced urokinase-type plasminogen activator activity by extracellular matrix protein obtained from highly metastatic human lung adenocarcinoma cell line. *Clinica Chimica Acta.* 1996;253:37-50.
25. Inufusa H. Malignant tumor and thrombosis-Mechanisms- Procoagulant. *Thrombo Cir.* 1996;4:278-282.
26. Hida J, Yasutomi M, Shindoh K, Kitaoka M, Fujimoto K, Ieda S, Machidera N, Kubo R, Morikawa E, Inufusa H, Watatani M, Okuno K. Second-look operation for recurrent colorectal cancer based on carcinoembryonic antigen and imaging techniques. *Dis Colon Rectum.* 1996;39(1):74-79.
27. Huang C.-L, Taki T, Adachi M, Yagita M, Sawada S, Takabayashi A, Inufusa H, Yoshie O, and Miyake M. MRP-1/CD9 and KAI1/CD82 expression in normal and various cancer tissues. *Int J Oncol.* 1997;11:1045-1051.
28. Suzuki M, Inufusa H, Yamamoto S, Hamada T, Aga M, Ando O, Ohta T, Yasutomi M, and Kurimoto M. Ley glycolipid acts as a co-factor for a tumor procoagulant activity. *Int J Cancer.* 1997;73:903-909.
29. Hida J, Yasutomi M, Maruyama T, Wakano T, Uchida T, Fujimoto K, Kubo R, Inufusa H, Uemura H, and Shindo K. Anterior resection following transsacral stapling and transection of the anal canal for low-lying rectal cancer in males. *Surg Today.* 1998;28:768-769.
30. Inufusa H, Adachi T, Suzuki M, Ando O, Ohta T, Kurimoto M, Nakatani Y, Nakamura M, and Shindo K. Generation of a monoclonal antibody that inhibits the procoagulant activity of various cancer cell lines. *Cancer.* 1998;82:1563-1569.
31. Inufusa H, Nakatani Y, Adachi T, Wakano T, Nakajima A, Nakamura M, Suzuki M, Ando O, Kurimoto M, Miyake M, Shindo K, and Yasutomi M. Correlation of prognosis of breast cancer patients and expression of Ley which acts as a cofactor of tumor procoagulant. *Int J Oncol.* 1998;13:481-487.
32. Hida J, Yasutomi M, Maruyama T, Wakano T, Uchida T, Fujimoto K, Kubo R, Inufusa H, Umemura H, Shindo K. Anterior resection following posterior transsacral stapling and transection of the anal canal for low-lying rectal cancer in males. *Surg Today.* 1998;28(7):768-769.
33. Hashimoto Y, Inufusa H, Adachi T, Funai S, Wakano T, Nakajima A, Shindo K, Yasutomi M. Ley Expression and Procoagulant Activity of Pancreas Cancer Cell Line MIAPaCa-II induced by Apoptosis. *Jpn J Gastroenterol Surg, Nihon Shokaki Geka Gakkai zasshi.* 1998;31(10):2181-2181.

34. Wakano T, Inufusa H, Adachi T, Nakajima A, Sindo K, Yasutomi M. Inhibition of Liver Metastasis of a Mouse Adenocarcinoma Using Interferon-γ-inducing Factor (Interleukin 18). *Jpn J Gastroenterol Surg*, Nihon Shokaki Geka Gakkai zasshi. 1998;31(12):2412-2412.
35. Shindo K, Yasutomi M, Inufusa H, Kubo R, Hida J, Tokoro T, Wakano T, Maruyama T, Tsukui T. Clinical comparison of ostomy bag in the operating room: Evaluation of closed bag with a window. *Stoma*. 1998;8(4):186-190.
36. Huang C.-I, Kohno N, Inufusa H, Kodama K, Taki T, and Miyake M. Overexpression of bax associated with Mutations in the loop-sheet-helix motif of p53. *Am J Pathology*. 1999;155:955-965.
37. Nakamura M, Inufusa H, Adachi T, Aga M, Kurimoto M, Nakatani Y, Wakano T, Nakajima A, Hida J.-i, Miyake M, Shindo K, and Yasutomi M. Involvement of galectin-3 expression in colorectal cancer progression and metastasis. *Int J Oncol*. 1999;15:143-148.
38. Suzuki M, Ando O, Ohta T, Inufusa H, Adachi T, Yasutomi M, and Kurimoto M. High expression of glycosphingolipids involved in procoagulant activity of cancer cells. *Oncol Rep*. 1999;6:113-115.
39. Huang C.-I, Kohno N, Inufusa H, Kodama K, Taki T, and Miyake M. Overexpression of bax associated with Mutations in the loop-sheet-helix motif of p53. *Am J Pathology* 1999;155:955-965.
40. Nakamura M, Inufusa H, Adachi T, Aga M, Kurimoto M, Nakatani Y, Wakano T, Nakajima A, Hida J.-i, Miyake M, Shindo K, and Yasutomi M. Involvement of galectin-3 expression in colorectal cancer progression and metastasis. *Int J Oncol*. 1999;15:143-148.
41. Inufusa H, Hitoshi K. and Yasutomi M. Technique of laparoscopic surgery for colorectal cancer. *Gastroenterol Surg*. 1999;22:163-171.
42. Wakano T, Inufusa H, Adachi T, and Nakatani Y. Regulation of Lewis Y expression by transforming growth factor- β 1and blood coagulating activity in colorectal cancer. *Med J Kinki Univ*. 1999;24:283-291.
43. Adachi M, Taki T, Higashiyama M, Kohno N, Inufusa H, and Miyake M. Significance of Integrin α 5 gene expression as a prognostic factor in node-negative non-small cell lung cancer. *Clin Cancer Res*. 2000;6:96-101.
44. Fukao H, Ikeda M, Ichikawa T, Inufusa H, Okada K, Ueshima S, and Matsuo O. Effect of hyperthermia on the viability and the fibrinolytic potential of human cancer cell lines. *Clin Chim Acta*. 2000;296:17-33.
45. Konishi T, Huang C.-L, Adachi M, Taki T, Inufusa H, Kodama K, Kohno N, and Miyake M. The K-ras gene regulates vascular endothelial growth factor gene expression in non-small cell lung cancer. *Int J Oncol*. 2000;16:501-511.

46. Miyake M, Inufusa H, Adachi M, Ishida H, Hashida H, Tokuhara T, and Kakehi Y. Suppression of pulmonary metastasis using adenovirally motility related protein (MRP1/CD9) gene delivery. *Oncogene*. 2000;19:5221-5226.
47. Inufusa H, Ueda K, Kawabe T, and Yasutomi M. New Wound Protector for Laparoscopic Colorectal Surgery. *J Jpn Soc Endosc Surg*. 2000;5:361-363.
48. Inufusa H, Adachi T, Suzuki M, Kurimoto M, Yasutomi M. Role of Ley glycolipid-dependent procoagulant (CCA-1) in human cancer metastasis. *Fibrinolysis and Proteolysis*. 2000;14:53.
49. Inufusa H, Adachi T, Nakatani Y, Wakano T, Nakamura M, Okuno K, Shiozaki H, Yamamoto S, Suzuki M, Ando O, Kurimoto M, Miyake M, and Yasutomi M. Ley glycolipid-recognizing monoclonal antibody inhibits procoagulant activity and metastasis of human adenocarcinoma. *Int J Oncol*. 2001;19:941-946.
50. Inufusa H, Nakamura M, Adachi T, Aga M, Kurimoto M, Nakatani Y, Wakano T, Miyake M, Okuno K, Shiozaki H, and Yasutomi M. Role of Galectin-3 in Adenocarcinoma Liver Metastasis. *Int J Oncol*. 2001;19:913-919.
51. Momoko Kusaki, Yasuyuki Ohta, Haruhiko Inufusa, Toru Yamashita, Ryuta Morihara, Yumiko Nakano, Xia Liu, Jingwei Shang, Feng Tian, Yusuke Fukui, Kota Sato, Mami Takemoto, Nozomi Hishikawa, Koji Abe. Neuroprotective Effects of a Novel Antioxidant Mixture Twendee X in Mouse Stroke Model. *J Stroke Cerebrovasc Dis*. 2017 Jun;26(6):1191-1196.
52. Xia Liu, Toru Yamashita, Jingwei Shang, Xiaowen Shi, Ryuta Morihara, Yong Huang, Kota Sato, Mami Takemoto, Nozomi Hishikawa, Yasuyuki Ohta, Koji Abe. Clinical and Pathological Benefit of Twendee X in Alzheimer's Disease Transgenic Mice with Chronic Cerebral Hypoperfusion. *J Stroke Cerebrovasc Dis*. 2019 Jul;28(7):1993-2002.
53. Koh Tadokoro, Ryuta Morihara, Yasuyuki Ohta, Nozomi Hishikawa, Satoko Kawano, Ryo Sasaki, Namiko Matsumoto, Emi Nomura, Yumiko Nakano, Yoshiaki Takahashi, Mami Takemoto, Toru Yamashita, Setsuko Ueno, Yosuke Wakutani, Yoshiki Takao, Nobutoshi Morimoto, Yumiko Kuto, Yoshihide Sunada, Katsushi Taomoto, Yasuhiro Manabe, Kentaro Deguchi, Yasuto Higashi, Haruhiko Inufusa, Fukka You, Toshikazu Yoshikawa, Markus Matuschka von Greiffenclau, Koji Abe. Clinical Benefits of Antioxidative Supplement Twendee X for Mild Cognitive Impairment: A Multicenter, Randomized, Double-Blind, and Placebo-Controlled Prospective Interventional Study. *J Alzheimers Dis*. 2019;71(3):1063-1069
54. Xia Liu, Toru Yamashita, Jingwei Shang, Xiaowen Shi, Ryuta Morihara, Yong Huang, Kota Sato, Mami Takemoto, Nozomi Hishikawa, Yasuyuki Ohta, Koji Abe. Twendee X Ameliorates Phosphorylated Tau, α -Synuclein and Neurovascular Dysfunction in Alzheimer's Disease Transgenic Mice With Chronic Cerebral Hypoperfusion. *J Stroke Cerebrovasc Dis*. 2019 Oct;28(10):104310.
55. 楊馥華、田中翔、マーカスマチューシカグライフェンクラウ、吉川敏一、岡田直美、犬房春彦. 世界初の認知症予防の達成(抗酸化研究部門配合剤 Twendee X による認知

症予防達成までの経緯). Medical Science Digest. 2019 Nov;45(13):788-791.

56. 平野滋, 犬房春彦, 杉山庸一郎, 金子真美, 吉川敏一. 声とアンチエイジング, 日本抗加齢医学会雑誌. 2019;15(2):214-219.
57. Koh Tadokoro, Yasuyuki Ohta, Haruhiko Inufusa, Alan Foo Nyuk Loon, Koji Abe. Prevention of Cognitive Decline in Alzheimer's Disease by Novel Antioxidative Supplements. Int J Mol Sci. 2020 Mar;21(6):1974.
58. 楊馥華、田中翔、マーカスマチューシカグライフェンクラウ、吉川敏一、岡田直美、犬房春彦. 世界初の認知症予防の達成 -酸化ストレス・炎症・免疫との関連. BIO Clinica. Apr 2020;35(4):46-51.
59. Tian Feng, Toru Yamashita, Keiichiro Tsunoda, Namiko Matsumoto, Koh Tadokoro, Ryo Sasaki, Koji Abe. In Vitro Free Radical Scavenging Activities of Dietary Supplements by Electron Spin Resonance. Brain Supplement. 2020;2:1-12.
60. 楊馥華、田中翔、マーカスマチューシカグライフェンクラウ、吉川敏一、岡田直美、犬房春彦. 世界初の抗酸化剤の認知症予防の達成 -抗酸化剤 Twendee X が超高齢社会に挑む-. BIO Clinica. Sep 2020;35(10):45-50.
61. 楊馥華、田中翔、マーカスマチューシカ・グラフェンクラウ、吉川敏一、岡田直美、犬房春彦. 抗酸化剤 Twendee X が高齢者医療に挑む -世界初の認知症予防の実現から見る今後の予防医療-. Precision Medicine. May 2021;4(5):447-452.
62. Xiao Hu, Toru Yamashita, Haibo Yu, Zhihong Bian, Xinran Hu, Tian Feng, Koh Tadokoro, Ryuta Morihara, Koji Abe. Neuroprotective and Therapeutic Effects of Tocovid and Twendee-X on A β Oligomer-Induced Damage in the SH-SY5Y Cell Line. Neurodegener Dis. 2021;21(5-6):117-125.
63. Fukka You, Sho Tanaka, Toshikazu Yoshikawa, Markus Matuschka von Greiffenclau, and Haruhiko Inufusa. Effects of Antioxidant composition Twendee X on side effects of SARS-CoV-2 mRNA vaccine. Brain Supplement. 2022;4:1-6.
64. Fukka You, Sho Tanaka, Toshikazu Yoshikawa, Markus Matuschka von Greiffenclau, and Haruhiko Inufusa. Antioxidant composition Twendee X may improve long COVID symptoms. Brain Supplement. 2022;4:7-12.
65. Koji Fukui, Fukka You, Yugo Kato, Miyu Kimura, Yoshiaki Harakawa, Toshikazu Yoshikawa, Haruhiko Inufusa. Twendee X, a mixed antioxidant supplement, improves cognitive function, coordination, and neurotrophic factor expression in long-term vitamin E-deficient mice. J Clin Biochem Nutr. March 2023;72(2):93-100.
66. Fukka You, Yoshiaki Harakawa, Haruhiko Inufusa. Considering antioxidant supplements as a means to prevent diseases. J Neurosci Neurol Disord. April 2023;7:14-16.

67. Shigeru Hirano, Haruhiko Inufusa, Fukka You, Yoichiro Sugiyama, Mami Kaneko, Toshikazu Yoshikawa. Anti-oxidant, Twendee X, for maintenance of singing voice. *Brain Supplement*. May 2023;5:1-7.
68. Fukka You, Yoshiaki Harakawa, Toshikazu Yoshikawa, Haruhiko Inufusa. Why Does the Antioxidant Complex Twendee X® Prevent Dementia? *Int J Mol Sci.* August 2023;24(16):13018.
69. Fukka You, Yoshiaki Harakawa, Toshikazu Yoshikawa, Haruhiko Inufusa. Potential of an antioxidant combination Twendee X® to treat depressive disorders. *Arch Depress Anxiety*. September 2023;9(2):68-71.
70. Fukka You, Yoshiaki Harakawa, Toshikazu Yoshikawa, Haruhiko Inufusa. Controlling Gut Microbiota by Twendee X® May Contribute to Dementia Prevention. *Int J Mol Sci.* October 2023;24(23):16642.
71. Shigeru Hirano, Haruhiko Inufusa, Fukka You. The Effect of Oxidative Stress on the Human Voice. *Int J Mol Sci.* February 2024; 25(5):2604.
72. Koji Fukui, Fukka You, Yugo Kato, Shuya Yuzawa, Ayuta Kishimoto, Takuma Hara, Yuki Kanome, Yoshiaki Harakawa, Toshikazu Yoshikawa. A Blended Vitamin Supplement Improves Spatial Cognitive and Short-Term Memory in Aged Mice. *Int J Mol Sci.* February 2024; 25(5):2804.
73. Koji Fukui, Fukka You, Yugo Kato, Shuya Yuzawa, Ayuta Kishimoto, Takuma Hara, Yuki Kanome, Yoshiaki Harakawa, Toshikazu Yoshikawa, Haruhiko Inufusa. A mixed antioxidant supplement improves cognitive function, and coordination in aged mice. *J Clin Biochem Nutr.* March 2024;74(2):119-126.
74. Fukka You, Carole Nicco, Yoshiaki Harakawa, Toshikazu Yoshikawa, Haruhiko Inufusa. The Potential of Twendee X® as a Safe Antioxidant Treatment for Systemic Sclerosis. *Int J Mol Sci.* March 2024;25(5):3064.
75. Toshikazu Yoshikawa, Fukka You. Oxidative Stress and Bio-Regulation. *International Journal of Molecular Sciences.* March 2024; 25(6):3360.
76. Masato Teraoka, Naohito Hato, Haruhiko Inufusa, Fukka You. Role of Oxidative Stress in Sensorineural Hearing Loss. *Int J Mol Sci.* April 2024;25(8):4146.