

- antitumor immunity against malignant glioma. *J Neuro-Oncol* 47, 117-124, 2000
19. Nakanishi H, Mizutani Y, Kawauchi A, Ukimura O, Shiraiishi T, Hatano M, Mizuno M, Yoshida J, Miki T : Significant antitumoral activity of cationic multilamellar liposomes containing human IFN-beta gene against human renal cell carcinoma. *Clin Cancer Res* 9, 1129-1135, 2003
  20. Taniguchi T, Ohno S, Fujii-Kuriyama K, Muramatsu M : The nucleotide sequence of human fibroblast interferon cDNA. *Gene* 10, 11-15, 1980
  21. 鬼頭万里子、大石誠子、八木國夫 : M 期同調細胞における遺伝子移入. *蛋白質核酸酵素* 36, 2242-2245, 1991
  22. Nobayashi M, Mizuno M, Kageshita T, Matsumoto K, Saida T, Yoshida J : Repeated cationic multilamellar liposome-mediated gene transfer enhanced transduction efficiency against murine melanoma cell lines. *J Dermatol Sci* 29, 206-213, 2002
  23. 弘井 誠, 森木利昭, 原 弘: Flow cytometry による腎細胞癌核DNAの解析. *医学と生物学* 122, 217-222, 1991
  24. Galanis E, Burch PA, Richardson RL, Lewis B, Pitot HC, Frytak S, Spier C, Akporiaye ET, Peethambarm PP, Kaur JS, Okuno SH, Unni KK, Rubin J: Intratumoral administration of a 1,2-dimyristyloxypropyl-3-dimethylhydroxyethyl ammonium bromide/dioleoylphosphatidylethanolamine formulation of the human interleukin-2 gene in the treatment of metastatic renal cell carcinoma. *Cancer*, 101, 2557-66, 2004
  25. Mizutani Y, Nakanishi H, Miki T, Mizuno M, Yoshida J: Gene therapy using cationic multilamellar liposomes containing human IFN-beta gene against human renal cell carcinoma. *Hinyokika Kiyo* 51, 71-73, 2005
  26. Suh RD, Golgin JG, Wallace AB, Sheehan RE, Heinze SB, Gitlitz BJ, Figlin RA: Metastatic renal cell carcinoma: CT-guided immunotherapy as a technically feasible and safe approach to delivery of gene therapy for treatment. *Radiology*, 231, 359-364, 2004
  27. Simons JW, Jaffee EM, Weber CE, Levitsky HI, Nelson WG, Carducci MA, Lazenby AJ, Cohen LK, Finn CC, Clift SM, Hauda KM, Beck LA, Leiferman KM, Owens AH Jr, Piantadosi S, Dranoff G, Mulligan RC, Pardoll DM, Marshall FF : Bioactivity of autologous irradiated renal cell carcinoma vaccines generated by ex vivo granulocyte-macrophage colony-stimulating factor gene transfer. *Cancer Res* 57, 1537-1546, 1997
  28. Kawai K, Tani K, Yamashita N, Tomikawa S, Eriguchi M, Fujime M, Okumura K, Kakizoe T, Clift S, Ando D, Mulligan R, Yamauchi A, Noguchi M, Asano S, Akaza H : Advanced renal cell carcinoma treated with granulocyte-macrophage colony-stimulating factor gene therapy : a clinical course of the first Japanese experience. *Int J Urol* 9, 462-466, 2002
  29. Galanis E, Hersh EM, Stopeck AT, Gonzalez R, Burch P, Spier C, Akporiaye ET, Rinehart JJ, Edmonson J, Sobol RE, Forscher C, Sondak VK, Lewis BD, Unger EC, O'Driscoll M, Selk L, Rubin J : Immunotherapy of advanced malignancy by direct gene transfer of an interleukin-2 DNA/DMRIE/DOPE lipid complex : phase I/II experience. *J Clin Oncol* 17, 3313-3323, 1999
  30. Felgner PL, Gadek TR, Holm M, Roman R, Chan HW, Wenz M, Northrop JP, Ringold GM, Danielsen M : Lipofectin: A highly efficient, lipid-mediated DNA-transfection procedure. *Proc Natl Acad Sci USA* 84, 7413-7417, 1987
  31. Hui KM, Ang PT, Huang L, Tay SK : Phase I study of immunotherapy of cutaneous metastases of human carcinoma using allogeneic and xenogeneic MHC DNA-liposome complexes. *Gene Ther* 4, 783-790, 1997
  32. Caplen NJ, Alton EW, Middleton PG, Dorin JR, Stevenson BJ, Gao X, Durham SR, Jeffery PK, Hodson ME, Coutelle C, et al : Liposome-mediated CFTR gene transfer to the nasal epithelium of patients with cystic fibrosis. *Nat Med* 1, 39-46, 1995
  33. Goddard CA, Ratcliff R, Anderson JR, Glenn E, Brown S, Gill DR, Hyde SC, Mac Vinish LJ, Huang L, Higgins CF, Cuthbert AW, Evans MJ, Colledge W : A second dose of a CFTR cDNA-liposome complex is as effective as the first dose in restoring cAMP-dependent chloride secretion to null CF mice trachea. *Gene Ther* 4, 1231-1236, 1997
  34. 松本和彦, 斎田俊明: 治療法の進歩-効果、成績-メラノーマ (悪性黒色腫). *日本臨床* 64, 1321-26,