1999 Fiscal Year Final Research Report Summary

Pathogenesis of Diverse Clinical Manifestations of EBV-Related Disorders : Mechanisms of Target-Cell Specific Infection, Regulation of Viral Gene Expression and Clonal Expansion.

Research Project

Project/Area Number

10670709

Research Category

Grant-in-Aid for Scientific Research (C)

Allocation Type

Single-year Grants

Section

一般

Research Field

Pediatrics

Research Institution

Kanazawa University

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Project Period (FY)

1998 – 1999

Keywords

EB virus (EBV) / PCR method / EBV terminal repeat / EBER-1 / in situ hybridization

Research Abstract

Epstein-Barr virus (EBV) is prevalent among adult population and it persists within B lymphocytes in latent forms throughout life. Infection. mononucleosis is a well recognized, self-limited EBV- related acute infection. However, increasing numbers of illness are now known to be associated with this particular herpes virus, such as hemophagocytic lymphohistiocytosis (HLH), chronic active EBV infection (CAEBV) and various malignant neoplasms, including nasopharyngeal carcinoma, Hodgikin's disease and gastric cartinoma. It has been suggested by studying these diseases that the cellular targets of vital infection and the modes of the latency of viruses greatly

the modify pathogenesis of EBV-related illnesses. EBV-encoded small RNA-1 (EBER1) is expressed in abundance in virtually every cell infected with EBV, regardless of the mode of latency and therefore its expression is often used as a sensitive indicator of EBV association with certain illnesses. In this study, the clinical relevance ⋯ More

Research Products (12 results)

All Other

All Publications

[Publications] A. Yachie, K. Ohta, et al: "Oxydative stress causes enhanced vascular endothelial cell injury in human heme oxygenase-1 deficiency"J. Clin. Invest.. 103. 129-135 (1999)

[Publications] H. Seki, K. Ohta, et al: "Increasing prevalence of Ampicillin-resistant, non-beta-lactamase producing strains of Haemophylus influenzae in children in Japan"Chemotherapy. 45. 15-21 (1999)

[Publications] H. Seki, K. Ohta, et al: "Anti-microbial activities of cefdlitoren against respiratory pathogen isolated from children in Japan"J. Infect. Chemother.. 5. 16-20 (1999)

[Publications] K. Ohta, A. Yachie, et al: "Tubular injury is a cardinal pathological feature in human heme oxygenase-1 deficiency"Am. J. Kid. Disease. 35(in press). (2000)

[Publications] 太田和秀、谷内江昭宏、他: "尿細管上皮細胞におけるHeme Oxygenase-1機能の重要性"日本小児腎臓病学会雑誌. 12. 119-126 (1999)

[Publications] 太田和秀: "ヒトHome Oxygenase-1欠損症とその腎病変"医学のあゆみ. 193(in press). (2000)

[Publications] A. Yachie, K. Ohta, et al.: "Oxidative stress causes enhanced vascular endothelial cell injury in human heme oxygenase-1 deficiency."J. Clin. Invest.. 103(1). 129-135 (1999)

[Publications] H. Seki, K. Ohta, A. Yachie, et al.: "Increasing prevalence of ampicillin-resistant, non-bata- lactamase producing strains of Haemophilius influenzae in children in Japan."Chemothrapy. 45. 15-21 (1999)

[Publications] H. Seki, K. Ohta, A. Yachie, et al.: "Antimicrobial activities of cefditoren against respiratory pathogen isolated from children in Japan"J. Infect. Chemother.. 5. 16-20 (1999)

[Publications] K. Ohta, A. Yachie, et al.: "Tubular injury is a cardinal pathological feature in human heme oxygenase-1 deficiency"Am. J. Kid Disease.. 35(5) : (in press). (2000)

[Publications] K. Ohta, A. Yachie, et al.: "Important role of heme oxygenase-1 in renal tubular epithelial cell (Japanese)"Jap. J. Pediatr. Nephrol.. 12(2). 119-126 (1999)

[Publications] K. Ohta.: "Human Heme Oxygenase-1 Deficiency and its renal pathology (Japanese)"Igaku No Ayumi. 193(1) : (in press). (2000)

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