

資料7

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Autosomal dominant optic atrophy with OPAI gene mutations accompanied by auditory neuropathy and other systemic complications in a Japanese cohort

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Furpose: This study aimed to describe the genetic and clinical characteristics of four Japanese patients with autocomal dominant optic storyley (DOA) accompanied by auditory menergably and often systemic complications (i.e., DOA-plas Matchael Four patients from four independent families underward comprobensive ophthalms and sufferoy examinations and work disposed with DOA) and disease. It desistese-causting gene variation in the OPAI gene were identified by direct sequencing. The genetic and clinical data of 48 DOA patients without systemic complications—that is, with simple DOA, were compared to does of DOA, play patients in the OPAI gene were identified by direct sequencing. The genetic and clinical data of 48 DOA patients without systemic complications—that is, with anging DOA were compared to does of DOA, play patients the age of 14 and bearing imprisers at 11 or 13 years after the development of visual symptoms. It was patient that patient the patient of the development of visual symptoms. It was patient that progressive external ophthalmoylegia, and one patient had been considered to the patient with the OPAI gene at 133 GCA, p. R41541, clinical and found and attains. The DOA poly patients were accounted for 1239 visual poly of the families with the OPAI gene at 133 GCA, p. R41541, p. 154 GCA, p. R41541, p

Autosomal dominant optic atrophy (DOA, OMIM 165500) is one of the major causes of inherized optic nerve disorders and is characterized by a Sow, progressive reduction of visual aculty, by central visual field defects, and by the temporal pallor of the optic disc. Ahomeralities in the OPAI gene (Sene ID: 165500; OMIM 60550) are a major cause of DOA [1]. and mutations in the OPAI gene account for 32.1–89.5% of all DOA cases [3,5-10], OPAI encodes a

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The severity of DOA varies considerably, and the visual acuity ranges from normal to hand motion [10,14]. This variability is observed both within and among families. It should be noted that there is a subset of patients with DOA who have extraonlarl symptoms, such as, auditory neutropathy, ataxia, myopathy, neuropathy, and progressive external

資料8



患者の遺伝子検査



初回カンファレンス

原因候補の遺伝子変異の情報 患者と家族の臨床情報

検討

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詳細な検討を行う変異の選別

第2回カンファレンス

追加検査結果の情報 ACMG基準による病的意義

検討

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原因診断 (3ヶ月で報告)

資料10



バリアント

資料11

