Clinical survey of ocular findings in patients with grave's disease

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Abstract

Background: Grave's disease is an autoimmune process manifested by three hallmarks: hyper-thyroidism with diffuse goiter, ophthalmopathy and dermopathy. This disease usually occurs with hyper-thyroidism; although the patients may be euthyroidism.

Objective: To evaluate the ophthalmic lesions in patients with grave's disease according to sex, age, and the duration of the illness as well as the treatment.

Methods: Ninety five patients (62% females and 38% males) with grave's disease were included in this study. The subjects underwent a complete ophthalmic examination and the results were recorded.

Findings: The elevation of IOP and chemosis were significantly higher in males than in females. The prevalence of ophthalmopathy was 60%, and most common ophthalmic signs were proptosis and lid retraction. Eye lesions were more frequent among 50-70 years old patients. In addition, chemosis, periorbital edema, corneal sensitivity secondary to dry eye, convergence insufficiency, diplopia and proptosis were positively correlated with age. Initially, ophthalmic complain were only given by 15% of the subjects. Lid retraction was decreased with prolonged duration of disease whereas chemosis, conjunctival congestion, and extra-ocular muscle enlargements were increased.

Conclusions: Graves ophthalmopathy was found mostly in males and proptosis with lid retraction were the most important signs of the disease.

Keywords: Graves Diseases, Ophthalmopathy, Hyperthyroidism

چکیده

ترجمه: گریوز یکی از مراحل خودکشی است که که از سه علامت پرکاری تیروئید با گوارت منتشر، افتالموپاتی یا درومیپاتی مشخص می‌باشد. در این مطالعه با هدف بررسی تغییراتی که در بیماری‌های گریوز انجام شد مطالعه کردیم.

هدف: مطالعه با هدف تغییراتی که در بیماری‌های گریوز انجام شد.

نتیجه‌گیری: افتالموپاتی گریوز در مردان شایع‌تر از زنان بوده‌است. از مهم‌ترین علائم، بینی گریوز گریوز در سایبان‌های گریوز بوده است. عقب‌کشیده پلک در افزایش طول مدت بیماری کاهش می‌یافته است.

کلیدواژه‌ها: بیماری گریوز، افتالموپاتی، پرکاری تیروئید

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