



DAREMUS

Dansk Selskab for Forskning i Multipel Sklerose

Abstract form: Max 350 ord (punkt 3 – 6) på max én A4 side

Ønsker deltagelse i foredragskonkurrencen (4 abstracts udvælges): JA (); NEJ ()

Navn Jette Frederiksen **Institution** Glostrup Hospital **Alder** _____ (hvis deltagelse i konkurrence)

Følgende struktur bedes fulgt:

1) Titel

No gender difference on optic coherence tomography in acute optic neuritis

2) Forfattere

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3) Hypotese

Optic neuritis (ON) and multiple sclerosis (MS) occur more often in women than in men and much attention in MS is currently on gender differences. Studies of optic coherence tomography (OCT) have indicated the value of retinal nerve fiber layer thickness (RNFLT) and macular cube volume (MCV) as prognostic markers in ON and MS. The aim of the study was to examine gender specific differences in retinal nerve RNFLT and MCV in patients with acute optic neuritis.

4) Metoder

An ongoing observational study of OCT measurements of RNFLT and MCV in ON patients referred, between July of 2013 and April of 2014 referred, in the acute inflammatory phase. The main outcome was between gender difference in RNFLT and MCV.

5) Resultater

Sixty-five patients were included (48 females/17 males). Mean age did not differ between genders (male: 33 years, female: 34 years, $p=0.991$). No significant difference was shown between female ON and male ON eyes with regards to RNFLT (male: $117.8 \mu\text{m}$, female: $124.81 \mu\text{m}$ ($p=0.741$)) or MCV (male: 9.99 mm^3 , female: 10.10 mm^3 ($p=0.432$)). Both genders had highly significant intereye asymmetry in RNFLT, i.e. difference between ON affected eye and unaffected eye ($p<<0.01$), but no gender difference existed between intereye asymmetry ($p=0.536$).

6) Diskussion

No significant gender difference was found in acute ON patients regarding RNFLT and MCV on OCT. The study is still ongoing and may contribute to elucidate the role of gender in optic neuritis and MS.

Deadline for indsendelse af abstract til: Henrik.Boye.Jensen@rsyd.dk SENEST 15. februar 2016.