

Tilmelding af Foredrag

Foredragets titel

Molecular biomarkers in concha mucosa biopsies from patients with COVID-19 and controls

Forfatter(e)

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Afdeling/praksis

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Uddannelsesniveau

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Introduktion

COVID-19 infection often result in smell and taste disorders. The molecular reasons are unknown. We have performed a case-control study to study potential molecular and genetic mechanisms in COVID-19 patients and healthy controls.

Materiale/metode

We recruited 11 COVID-19 positive patients from outpatient clinics and 11 controls who were COVID-19 negative. The participants all volunteered in having performed a nose biopsy from the middle turbinate. All underwent a Brief Smell Identifications test (Danish version). The biopsies has been examined by NanoString gene testing, RNA-scope, in situ hybridization and histomorphometrically.

Resultater

We succeeded in finding differences between COVID-19 positive and negative participants on several parameters. Also we found differences in several genes coding for specific proteins between COVID-19 positive patients with and without smell problems as well as in COVID-19 pos and neg participants. We are at the very moment looking into these differences which we will present in our poster.

Diskussion

We have looked for differences on a molecular level in COVID-19 pos and neg patients in biopsies from the middle turbinate. This has not been done in such a comprehensive study before. The results will be discussed in our poster along with showing the differences in heatmaps and other figures.

Unavngivet

- Ønsker kun præsentation af poster

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