

Tilmelding af Foredrag

Foredragets titel

Increased rates of invasive ear, nose and throat infections caused by Group A Streptococci in 2023 - The first report of acute ENT infections in the post-covid-19 era

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Uddannelsesniveau

Hoveduddannelseslæge - Tidlig kursist.
Forskningsprojektet er en del af det obligatoriske kursus i Forskningstræning. Hvis ikke abstract findes relevant til foredrag, da ønskes poster præsentation.

Introduktion

Group A Streptococci (GAS) have the capability to cause a variety of infectious diseases including invasive infections. Increased rates of invasive GAS infections were reported by more European countries, including Denmark, in late 2022 to early 2023. The primary aim of this study was to compare invasiveness and severity of the acute ear, nose and throat (ENT) infections of hospitalized patients in 2022 and 2023. Secondary, to evaluate the microbiological agent.

Materiale/metode

Retrospective cohort study comparing all hospitalized patients at the ENT Department, Gødstrup Hospital, from January to June 2023 with the corresponding period in 2022. Inclusion criteria were acute ENT infections. Infections related to surgical procedures were excluded.

Resultater

A total of 609 patients were identified, and 248 patients met the inclusion criteria. In 2022, 107 patients were hospitalized of which 43% had invasive infections, and three (3%) needed intensive care. In 2023, 141 patients were hospitalized; 52% had invasive infection and fourteen (10%) needed intensive care. Streptococci Anginosus were the most frequent microbe underlying invasive infections in 2022. In contrast, GAS were the main cause of invasiveness in 2023 and increased five-fold.

Diskussion

This is the first report on ENT infections in DK after COVID-19. The number of hospitalized patients due to acute ENT infections increased significantly in 2023 compared to 2022, and represented relatively more severe cases, mainly caused by GAS. The increase in GAS corresponds to reports from Europe. It is suggested that cessation of Covid-19 restrictions combined with lower immunity towards GAS may have facilitated invasive GAS infections.

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