Tilmelding af Foredrag

Foredragets titel

Validity of ICD-10 diagnosis of obstructive sleep apnea in Danish hospitals

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Introduktion

Healthcare databases may be a valuable source for epidemiological research in obstructive sleep apnea if diagnoses records are accurate. We examined the validity of the International Classification of Diseases, 10th revision [ICD-10] diagnosis coding for 'obstructive sleep apnea' and 'sleep apnea' in Danish hospitals.

Materiale/metode

Using the Danish National Patient Registry, 100 patients from the Northern Region diagnosed with 'obstructive sleep apnea' (ICD-10 code DG4732) and 100 patients diagnosed with 'sleep apnea' (DG473*), during year 2020, were randomly sampled. Of these, 70 patients were referred to the private sector were excluded because of lack of access to data. We calculated the positive predictive value (PPV) of 'obstructive sleep apnea' and 'sleep apnea' using a documented apnea-hypopnea index (AHI-index) ≥5 as confirmatory of the recorded diagnosis.

Resultater

The study population included 130 patients. Of these, 64 (49%) were diagnosed with 'obstructive sleep apnea', and 66 (51%) patients were diagnosed with 'sleep apnea'. The PPV for 'obstructive sleep apnea' was 93.8% (95% confidence interval 85.0-97.5), and the PPV for 'sleep apnea' was 80.3% (95% confidence interval 69.2-88.1).

Diskussion

Our findings indicate a high validity of 93.8% for the ICD-10 code DG4732 ('obstructive sleep apnea'). Using DG473* ('sleep apnea') to identify patients with obstructive sleep apnea is less optimal with a PPV of 80.2%. ICD-10 discharge code DG4732 may be a suitable source of data on obstructive sleep apnea for epidemiological research.

Unavngivet

- Ønsker kun præsentation af poster

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