

Title: Screening questionnaires for obstructive sleep apnea: an updated systematic review

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Abstract

Obstructive sleep apnea (OSA) is the most common sleep-related breathing disorder which is associated with significant morbidity. The aim of the current study was to do an updated systematic review of literature on studies assessed the accuracy of screening questionnaires for OSA against polysomnography (PSG) as the reference test.

An English literature search was performed using Medline, Cochrane Database of Systematic Reviews and Scopus between January 2010 till April 2017. The reference list of included studies were also manually searched for finding additional studies.

Thirty-nine studies comprising 18068 subjects included in the systematic review. The sensitivity of STOP-Bang questionnaire (SBQ) in detecting mild ($AHI \geq 5$ events/h) and severe ($AHI \geq 30$ events/h) OSA was higher in comparison to other screening questionnaires (ranged from 81.08% to 97.55% and 69.2% to 98.7% respectively). However, STOP questionnaire (SQ) had the highest sensitivity in prediction of moderate OSA ($AHI \geq 15$ events/h) (ranged from 41.3% to 100%).

Keywords: Obstructive sleep apnea, Screen, Validation, Sensitivity, Specificity

Biography

Dr. Behzad Rahmati M.D Department of Internal Medicine, School of Medicine, Isfahan University of Medical Sciences, Isfahan, Iran.



- 1.The paradox of the scientific career of a highly qualified pediatric surgeon in Russia and Israel.
- 2.The most impressive results have been achieved in the non-surgical section of medicine.
3. Work in the Siberian clinic of pediatric surgery is the responsibility of treatment of children with the most aggressive.
- 4.Acute pneumonia at an early stage of the disease.
5. The high concentration of such patients (up to 10 and more at the same time), the rapid development of purulent complications and high mortality (up to 10% or more) are forced to look for ways to solve this problem.

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