NIOX MINO airway inflammation monitor for the diagnosis and monitoring of asthma - horizon scanning review

NHSC

Record Status
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Authors' objectives
This study aims to summarise the currently available evidence on NIOX MINO airway inflammation monitor for the diagnosis and monitoring of asthma.

Authors' conclusions
NIOX MINO is a new, smaller, portable airway inflammation monitor based on the established NIOX monitoring system, which detects and measures levels of nitric oxide (NO) in exhaled breath. NIOX MINO costs a fraction of the original NIOX system and does not require regular calibration. It has already been shown that fractional concentrations of exhaled NO (FENO) are increased in patients with airway inflammation (such as asthma and chronic obstructive pulmonary disease), and that FENO levels decrease after corticosteroid, NO synthase inhibitor use or other anti-inflammatory therapies. The original NIOX system has been investigated in several studies and shown to be a reliable and repeatable method for monitoring exhaled NO levels. The new NIOX MINO system has been shown to be equally as reliable and repeatable as the original system.

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