

Nasal, pharyngeal EPX levels linked to sputum eosinophilia

16 December 2015



provide a novel point-of-care assay in the management of [asthma patients](#)."

Members of Lee Laboratories reviewed the manuscript.

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(HealthDay)—For individual patients with poorly-controlled asthma, nasal and pharyngeal eosinophil peroxidase (EPX) levels are strongly associated with the eosinophil percentage of induced sputum, according to a study published online Dec. 8 in *Allergy*.

Matthew A. Rank, M.D., from the Mayo Clinic in Scottsdale, Ariz., and colleagues compared nasal, pharyngeal, and sputum EPX levels with induced sputum eosinophil percentage in 10 adults with poorly-controlled asthma and 10 controls.

The researchers observed a significant difference in sputum EPX levels between asthma and [control subjects](#) ($P = 0.024$). EPX levels measured in nasal and pharyngeal swab samples derived from the same patients were significantly different between [asthma](#) and control subjects (each $P = 0.002$). Compared with induced sputum eosinophil percentage, Spearman's correlation coefficients for nasal EPX and pharyngeal EPX levels were 0.81 ($P = 0.0007$) and 0.78 ($P = 0.0017$), respectively.

"There is a strong association in a given patient between both nasal and pharyngeal EPX levels and the eosinophil percentage of induced sputum," the authors write. "The use of nasal or [pharyngeal](#) swabs may represent a clinically relevant diagnostic metric whose simplicity of use would

APA citation: Nasal, pharyngeal EPX levels linked to sputum eosinophilia (2015, December 16) retrieved 27 April 2021 from <https://medicalxpress.com/news/2015-12-nasal-pharyngeal-epx-linked-sputum.html>

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