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2018年10月14日 - clinical utility, **cystic fibrosis**, **lung clearance index**, **monitoring**, multiple breath washout .... In this study, 78 preschool **children with CF** and ..... Fuchs SI, Gappa M. **Lung clearance index**: clinical and research **applications**.

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Spirometry is used for **monitoring**, but the FEV<sub>1</sub> remains frequently normal throughout childhood. The **Lung Clearance Index** (LCI) calculated from Multiple Breath Washout (MBW) was introduced at the **CF** centre Innsbruck in 2007 for assessing ventilation inhomogeneity in patients with mild **lung** disease.

### [Lung clearance index: Evidence for use in clinical trials in cystic fibrosis](#)

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**Lung clearance index**: Evidence for use in clinical trials in **cystic fibrosis** ... trials in young **children with CF** and patients with early or mild **CF** lung disease. ... LCI may also be useful clinically to **monitor** patients with FEV<sub>1</sub> within normal ..... MBW is a safe technique since it **uses** either oxygen for nitrogen washout or very low ...

## Match Overview

1	<b>Crossref</b> 20 words Ubong Peters, David A. Kaminsky. "The Multiple-Breath Nitrogen Washout Test", Elsevier BV, 2019	1%
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**Name of journal:** *World Journal of Clinical Pediatrics*

**Manuscript NO:** 44976

**Manuscript Type:** MINIREVIEWS

**The applications of lung clearance index in monitoring children with cystic fibrosis**

Fretzayas A *et al.* LCI and CF

Andrew Fretzayas, Konstantinos Douros, Maria Moustaki, Ioanna Loukou

### Abstract

A sensitive, reproducible and feasible measure of lung function for monitoring the

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## Determination of the Lung Clearance Index (LCI) in a Paediatric Cystic ...

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[Children with CF](#) under six years of age struggled to perform the washout in a technically ... Modern [CF care](#) attempts to identify and [monitor CF](#) lung disease before it ... It is also likely to have an [application](#) in other diseases where airway ... is the [Lung Clearance Index](#) (LCI) which represents the number of lung volume ...

## The lung clearance index as a monitoring tool in cystic fibrosis: ready ...

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作者 : L Perrem - 2018 - 被引用次数 : 1

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