## Contents

### Volume 77  Issue 12  |  THORAX December 2022

#### Editorsials

- **1159** Immunotherapy in non-small-cell lung cancer: new data support its use, but some challenges remain  
  A Ramos-Esparzé

- **1161** Chronic neonatal lung disease: time to look beyond the alveolus  
  A Ge, J Toelen

#### Lung cancer

- **1163** Impact of PD1 and PDL1 immunotherapy on non-small cell lung cancer outcomes: a systematic review  
  S S Kanabar, A Triwari, V Soran, P Baladran, M Price, A M Turner

#### Respiratory research

- **1176** Relationship between impaired BMP signalling and clinical risk factors at early-stage vascular injury in the preterm infant  

#### Asthma

- **1187** Effects of switching from a metered dose inhaler to a dry powder inhaler on climate emissions and asthma control: post-hoc analysis  
  A Woodcock, C Janson, J Rees, L Frith, M Löfdahl, A Moore, M Hedberg, D Leather

#### Tuberculosis

- **1193** Performance of QuantiFERON-TB Gold Plus assay in children and adolescents at risk of tuberculosis: a cross-sectional multicentre study  

---

### Respiratory infection

- **1220** Multicentre evaluation of two multiplex PCR platforms for the rapid microbiological investigation of nosocomial pneumonia in UK ICUs: the INHALE WP1 study  
  V I Enne, A Aydin, R Baldan, D R Owen, H Richardson, F Ricciardi, C Russell, B O Nomannuk-Heikj, A M Smart, J High, A Colles, J Barber, V Gant, D M Livermore, J O’Crilly, INHALE WP1 Study Group

#### Intestinal lung disease

- **1237** Relative environmental and social disadvantage in patients with idiopathic pulmonary fibrosis  

---

### Cover caption

Lung directed antibody gene transfer confers protection against SARS-CoV-2 infection (see Du Y, et al, page 1235)
## Contents

**Volume 77 Issue 12 | THORAX December 2022**

<table>
<thead>
<tr>
<th>1243</th>
<th>Medical treatments for idiopathic pulmonary fibrosis: a systematic review and network meta-analysis</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>T Pitre, J Mah, W Helmecki, M F Khalid, S Cui, M Zhang, R Husaininov, J Su, I Benfield, B Guy, J Coyne, C Scallan, M RJ Kolb, A Jones, D Zerwarkan</td>
</tr>
</tbody>
</table>

**Pleural disease**

<table>
<thead>
<tr>
<th>1251</th>
<th>Fully automated volumetric measurement of malignant pleural mesothelioma by deep learning AI: validation and comparison with modified RECIST response criteria</th>
</tr>
</thead>
</table>

**Occupational lung disease**

<table>
<thead>
<tr>
<th>1260</th>
<th>Incidence, treatment and survival of malignant pleural and peritoneal mesothelioma: a population-based study</th>
</tr>
</thead>
</table>

**Journal club**

<table>
<thead>
<tr>
<th>1268</th>
<th>Journal club</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>D Khanna</td>
</tr>
</tbody>
</table>