Clinical characterization of allergic sensitization patterns and the role of mucosal dendritic cells

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Abbreviations

AR allergic rhinitis
BAL bronchoalveolar lavage
BasoHR basophil histamine release
BDCA blood dendritic cell antigen
BM basal membrane
COPD chronic obstructive pulmonary disease
CSE cigarette smoke extract
DC dendritic cell
DC-SIGN dendritic cell-specific intracellular adhesion molecule-3 grabbing non-integrin
Der p Dermatophagoides pteronyssinus
DL desloratadine
FEV1 forced expiratory volume in one second
FVC forced vital capacity
GOLD global initiative for chronic obstructive lung disease
GP grass pollen
HDM house dust mite
HE hematoxylin eosin
HEV high endothelial venules
IBD inflammatory bowel diseases
ICAM intercellular adhesion molecule
IDC interdigitating dendritic cell
Ig immunoglobulin
IgAN immunoglobulin A nephropathy
IL interleukin
intDC interstitial-type dendritic cell
LDC Langerhans type dendritic cell
LP lamina propria
LPS lipopolysaccharide
MAb monoclonal antibody
mDC myeloid dendritic cell
MHC major histocompatibility complex
MLN mesenteric lymph nodes
Mono-GP subjects with mono-sensitization to grass pollen allergen and relevant symptoms
Mono-HDM subjects with mono-sensitization to house dust mite allergen and relevant symptoms
<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Description</th>
</tr>
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<tbody>
<tr>
<td>NHS</td>
<td>normal human serum</td>
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<tr>
<td>NP</td>
<td>nasal allergen provocation</td>
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<tr>
<td>oDC</td>
<td>oral mucosa dendritic cell</td>
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<tr>
<td>PBS</td>
<td>phosphate buffered saline</td>
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<tr>
<td>PC20</td>
<td>provocative concentration of methacholine causing a 20% fall in FEV1</td>
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<tr>
<td>pDC</td>
<td>plasmacytoid dendritic cell</td>
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<tr>
<td>PEF</td>
<td>peak expiratory flow</td>
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<tr>
<td>Phl p</td>
<td>Phleum pratense</td>
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<tr>
<td>PNIF</td>
<td>peak nasal inspiratory flow</td>
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<tr>
<td>Poly-provGP</td>
<td>subjects with poly-sensitization and relevant symptoms, who underwent allergen provocation with grass pollen allergen</td>
</tr>
<tr>
<td>Poly-provHDM</td>
<td>subjects with poly-sensitization and relevant symptoms, who underwent allergen provocation with house dust mite allergen</td>
</tr>
<tr>
<td>SCIT</td>
<td>subcutaneous allergen immunotherapy</td>
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<tr>
<td>SLIT</td>
<td>sublingual allergen immunotherapy</td>
</tr>
<tr>
<td>TGF</td>
<td>Transforming Growth Factor</td>
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<tr>
<td>T_H</td>
<td>T helper cell</td>
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<tr>
<td>TLR</td>
<td>toll-like receptor</td>
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<tr>
<td>TNF</td>
<td>tumor necrosis factor</td>
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<tr>
<td>TNSS</td>
<td>total nasal symptom score</td>
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<tr>
<td>UC</td>
<td>ulcerative colitis</td>
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<tr>
<td>VAS</td>
<td>visual analogue scale</td>
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<tr>
<td>VCAM</td>
<td>vascular cell adhesion molecule</td>
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</table>