Cluster analysis in phenotyping a Portuguese population

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Table E1 – Study protocol.

<table>
<thead>
<tr>
<th></th>
<th>Pre-screening visit (V0)</th>
<th>Screening visit (V1)</th>
<th>Visit 2$^1$</th>
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</thead>
<tbody>
<tr>
<td>Written informed consent</td>
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<td>Medical history</td>
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<td>Clinical assessment</td>
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<td>Symptom diary</td>
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<tr>
<td>Asthma control and quality of life questionnaires (ACT, CARAT, SOA, ALQ)</td>
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<tr>
<td>Spirometry</td>
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<td>Bronchodilation</td>
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<td>Metacholine challenge (if needed)</td>
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<td>Pletysmography</td>
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<td>FeNO measurement</td>
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<td>Skin prick tests (SPT)</td>
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<td>Haematology with cell counts; blood chemistry; IgE total/specific and α1-AT</td>
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<td>Sample for Immunophenotypical analysis of induced sputum</td>
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<td>Urine sample for metabolomic profile</td>
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<td>HR-CT scan$^1$</td>
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<td>Fibroschopy (bronchoalveolar lavage (BAL); bronchial biopsy))$^1$</td>
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</tbody>
</table>

If needed to further exclude other diagnoses

ACT: asthma control test; BMI: body mass index; CARAT: Control of Allergic Rhinitis and Asthma Test; ALQ: asthma life quality; FeNO: fractional concentration of nitric oxide in exhaled air; HR-CT: high resolution computed tomography; SOA: severity asthma score