Deletion Adaptive Tolerance Regulation

Peptide reactive T cell

High dose of peptide
Peptide generating strong but transient TCR signal

Persistence of peptide
Multi-dose PIT
Low dose of peptide

Deletion Adaptive Tolerance Regulation

<table>
<thead>
<tr>
<th>Advantages</th>
<th>Permanent removal of pathogenic T cells</th>
<th>Loss of effector T cell proliferation and cytokine production</th>
<th>Potential for regulation of allergic responses to additional allergens (bystander suppression)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Disadvantages</td>
<td>Lack of on-going regulatory effects to further control other potentially pathogenic T cells</td>
<td>Tolerant T cells may revert to pathogenicity</td>
<td></td>
</tr>
</tbody>
</table>

Disadvantages