## (a)

<table>
<thead>
<tr>
<th>Ratio of total PTV volume (%)</th>
<th>Dose constraint (%)</th>
<th>$\text{PTV}_C : \text{PTV}_C$</th>
<th>$\text{PTV}_D : \text{PTV}_D$</th>
<th>$\text{PTV}<em>{\text{RT}} : \text{PTV}</em>{\text{RT}}$</th>
<th>$\text{PTV}<em>C : \text{PTV}</em>{\text{RT}}$</th>
<th>$\text{PTV}<em>D : \text{PTV}</em>{\text{RT}}$</th>
</tr>
</thead>
<tbody>
<tr>
<td>99 %</td>
<td>&gt; 90</td>
<td>90.8</td>
<td>91.4</td>
<td>90.9</td>
<td>58.8</td>
<td>14.9</td>
</tr>
<tr>
<td>95 %</td>
<td>&gt; 95</td>
<td>95.3</td>
<td>95.7</td>
<td>95.3</td>
<td>84.7</td>
<td>66.2</td>
</tr>
<tr>
<td>5 %</td>
<td>&lt; 105</td>
<td>104</td>
<td>104.4</td>
<td>104</td>
<td>103.8</td>
<td>104.1</td>
</tr>
<tr>
<td>2 %</td>
<td>&lt; 107</td>
<td>105.7</td>
<td>105.4</td>
<td>105.1</td>
<td>104.7</td>
<td>105.1</td>
</tr>
</tbody>
</table>

## (b)

![Graph showing the relationship between relative dose and ratio of total structure volume](image-url)