SOME DATA ON THE INFLUENCE OF
BCG VACCINATION IN LEPROSY PATIENTS

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Cases of leprosy were studied at Wafania, Congo Belge. Firstly, 300 cases were submitted to the lepromin test by Wade-technique, and the late or Mitsuda Reaction read at 21 days. An area of reaction of 6 mm. or more was read as positive, of 2 mm. or less as negative, and 3, 4 and 5 mm. as doubtful. The results were:

<table>
<thead>
<tr>
<th>Lepromatous</th>
<th>Indeterminate</th>
<th>Tuberculoid</th>
</tr>
</thead>
<tbody>
<tr>
<td>+</td>
<td>+</td>
<td>+</td>
</tr>
<tr>
<td>2</td>
<td>112</td>
<td>6</td>
</tr>
</tbody>
</table>

Next, the Mantoux Test was carried out in cases which had shown a negative Mitsuda. The Mantoux was done with 1/10 of 1% Tuberculin. The results were:

<table>
<thead>
<tr>
<th>Lepromatous</th>
<th>Indeterminate</th>
<th>Tuberculoid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Strongly Positive</td>
<td>Negatives</td>
<td>Slightly Positive</td>
</tr>
<tr>
<td>32</td>
<td>44</td>
<td>6</td>
</tr>
</tbody>
</table>

Thirdly, BCG vaccination was given in the Mantoux-negative and slightly positive cases, and two months later a second Mitsuda reading was made. The results were:

<table>
<thead>
<tr>
<th>Lepromatous</th>
<th>Indeterminate</th>
<th>Tuberculoid</th>
</tr>
</thead>
<tbody>
<tr>
<td>+</td>
<td>+</td>
<td>+</td>
</tr>
<tr>
<td>4</td>
<td>31</td>
<td>9</td>
</tr>
</tbody>
</table>

The results show that BCG has little influence on the Mitsuda status of the lepromatous type of leprosy, but there is a favourable modification in the tuberculoid type, for 8 cases out of 14 became positive. There is a difficulty in that the lepromatous patients who have the graver prognostic, are frequently Mantoux-positive. 142 out of 76 cases in this series, which prevents the BCG vaccination being done.