Whose Fault? Error Rates, Diagnosticity, and Overclaiming In Forensic Science

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Science or not?
Not all, and not only, scientific evidence is reliable

Susan Haack
There is no silver bullet study that will globally validate an area of practice.

It will require lots of subtask studies and a long time.
<table>
<thead>
<tr>
<th>True Cases of Glaucoma</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>IOP &gt; 22: Yes</td>
<td>50</td>
<td>100</td>
</tr>
<tr>
<td>No</td>
<td>50</td>
<td>1900</td>
</tr>
<tr>
<td>(total)</td>
<td>100</td>
<td>2000</td>
</tr>
</tbody>
</table>

Sensitivity = 50% (50/100)   False
Negative = 50%
Specificity = 95% (1900/2000) False
Positive = 5%
Error comes in many flavors