**Algorithm for Ophthalmic Observations**

The observations at each screening examination should determine the appropriate course of action as provided in the table below. The ICROP definition of zones of the retina, stage of disease and pre-plus should be used (1).

<table>
<thead>
<tr>
<th>Less Severe</th>
<th>More Severe</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>ROP Observed</strong></td>
<td><strong>NO</strong></td>
</tr>
<tr>
<td><strong>ROP Stage</strong></td>
<td>1 or 2</td>
</tr>
<tr>
<td><strong>ROP zone or vessel location</strong></td>
<td>II or III</td>
</tr>
<tr>
<td><strong>Plus/ Pre-plus</strong></td>
<td>None</td>
</tr>
<tr>
<td><strong>Screening Frequency</strong></td>
<td>Every 2 wks</td>
</tr>
</tbody>
</table>

When to terminate screening:
- Vessels progressed to zone III.
- Infant >36 weeks PMA.

When characteristics of regression are observed on two successive examinations:
- Lack of increase in severity.
- Partial progressing towards complete resolution. Transgression of vessels through demarcation line.
- Change in colour of the ridge from salmon pink to white.
- Commencement of the process of replacement of active ROP lesions by scar tissue.

When to treat:
- Consider Treatment
  - Otherwise = within 48 hours.

Post-treatment:
- Examination after 5-7 days

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