Session N.00388

02. Best practices in the management of the second-line injectable drugs in children with multidrug-resistant TB

Wednesday, 02 December 2015, 09:00 - 16:00
Room MR 1.41

<table>
<thead>
<tr>
<th>Type of session</th>
<th>Post-graduate Course</th>
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<tbody>
<tr>
<td>Track</td>
<td>TB in children</td>
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<tr>
<td>Track2 (optional)</td>
<td>Drug-resistant TB care and treatment, including trials</td>
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<tr>
<td>Duration</td>
<td>Full-day</td>
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<td>Max attendees</td>
<td>30</td>
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**Description**

The second-line injectable drugs are key components of current regimens for MDR-TB. However, they are poorly tolerated, requiring painful intramuscular injections and resulting in permanent hearing loss in up to 25% of children. Managing the injectables in children with MDR-TB requires consideration of age-related differences for the duration of treatment, administration of IM injections, and assessment for hearing loss. We will provide a practical overview of managing injectable drugs in children with MDR-TB and share best practices of those involved in paediatric MDR-TB care.

**Target audience**

1. Clinicians, nurses, healthcare workers caring for children with MDR-TB
2. Programme managers responsible for paediatric MDR-TB care

**Objectives**

1. To review best practices for the use of second-line injectables for children with MDR-TB
2. To review age-appropriate audiology assessment in children treated with second-line injectable
3. To provide a practical experience with paediatric audiology assessments
4. To discuss future approaches to limit adverse effects associated with second-line injectables in children

**Keywords**

Children; MDR-TB; injectable TB drugs

**Coordinator(s)**

Anthony Garcia-Prats (South Africa), Kayleen Jacobs (South Africa)

**Chair(s)**

Hendrik Simon Schaaf (South Africa), James Seddon (UK)

**Presentations**

1. Welcome, introductions, course overview, learning outcomes
   Anthony Garcia-Prats (South Africa), Kayleen Jacobs (South Africa)
2. Overview of second-line injectable use in children with MDR-TB: mechanism of action, pharmacokinetics, adverse effects, current recommendations
   Anthony Garcia-Prats (South Africa), James Seddon (UK)
3. Overview of audiology assessment in children with MDR treated with injectables: age-appropriate techniques, interpreting results, required
   Kayleen Jacobs (South Africa)
   Kayleen Jacobs (South Africa), Adam Ebrahim (South Africa)
5. Best practices for injectable administration in children: local adverse effects, age-appropriate IM injection sites and safe administration practices
   Ann Raftery (USA)
6. Managing injectable agents in children with TB: determining injectable duration and responding to adverse events - a case-based discussion
   Hendrik Simon Schaaf (South Africa), Jennifer Furin (USA)
7. The future of injectables in children with MDR-TB: antioxidant treatment, lignocaine co-administration and injectable-sparing regimens
   Katharina Kranzer (UK), James Seddon (UK)
8. Review, conclusions and evaluations
   Anthony Garcia-Prats (South Africa), Kayleen Jacobs (South Africa)