

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

**THE 46TH UNION
WORLD CONFERENCE
ON LUNG HEALTH**

CAPE TOWN, SOUTH AFRICA
2-6 DECEMBER 2015

Wednesday, 02 December 2015, 09:00 - 16:00

Room MR 1.41

Type of session	Post-graduate Course
Track	TB in children
Track2 (optional)	Drug-resistant TB care and treatment, including trials
Duration	Full-day
Max attendees	30
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 result 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	<ol style="list-style-type: none"> 1. Clinicians, nurses, healthcare workers caring for children with MDR-TB 2. Programme managers responsible for paediatric MDR-TB care
Objectives	<ol style="list-style-type: none"> 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	<ol style="list-style-type: none"> 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) 4. Practical audiology assessment in children: observation of audiology assessments in children and interpretation of results 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)