

Outline of Course Content:

DAY 1:

SESSION 1:

1. **Henry Sunpath-** Evidenced based protocols to reduce mortality from TB-HIV coinfection. How to implement this in an inpatient setting- models of care.
2. **Yunus Moosa- Case Based Discussion:**
Using a case based approach; Yunus Moosa will discuss an approach to the management of TB in a resource limited setting.
3. **Willem Sturm- A Critical Analysis and Recommendations:**
Willem Sturm will discuss current infection control strategies in place in healthcare institutes in Kwa-Zulu Natal. He will also provide recommendations on infection control in resource limited settings.
4. **Jacques Grosset-Description of the Research Agenda for TB-HIV Co-Infection at K-RITH:**
Bill Bishai will address the challenges researchers face to deal with the TB epidemic.

SESSION 2:

1. **Raj Gandhi- Abnormal LFT's:**
Raj Gandhi will describe the differential diagnosis and management patients with abnormal liver enzymes in HIV patients. He will also discuss the approach to drug treatment of patients with HBV/HIV co-infection as well as those with renal failure.
2. **Tariro Amakadzange- Cryptococcal Meningitis:**
Tariro Amakadzange will address the optimal management of CCM in resource limited areas and the vexing question of the timing of ART in the context of CCM.
3. **Richard Murphy- Managing key Issues in Second Line Treatment:**
Richard Murphy will discuss how to manage to key issues in second line treatment viz. virological failure, drug toxicities, co-administration of TB drugs, other common drug interactions. He will also explore options for a third line regimen in the setting of a limited formulary.

SESSION 3A- Prevention:

1. **Quarraisha Abdool-Karim:**
Quarraisha Abdool-Karim will provide an overview of the evidence based recommendations for preventative measures for HIV. She will also give practical application of these recommendations in the South African context, as well as speak about the role of PReP and give an update on microbicides.
2. **Jennifer Reddy:**
Jennifer Reddy will talk about how to scale up the programme to reduce transmission further- the CDC programme of MTCT plus.

SESSION 3B:

1. **CHIVA:**
The challenges in the transition of care from child to adolescent.
2. **Mohendran Archary:**
Mohendran Archary will discuss some cases that highlight the management challenges of ART initiation and SWITCH.
3. **Brian Zanoni:**
Brian Zanoni will discuss cases that bring out principles of management for transitioning care from childhood to adolescence to adulthood.

SESSION 4- Challenges in Public Health

1. **Viloshini Manickum:**
Viloshini Manickum will speak on her published report of the pharmacovigilance surveillance in Kwa-Zulu Natal and lessons learnt for clinical application.
2. **Liz Gwyther:**
Liz Gwyther will give an application of the principles of palliative medicine in PLHIV at various stages of life.
3. **Umesh Laloo:**
Based on the history of the progress of the treatment and care programme in SA, and the enormity of the problem – what is the way forward to escalate access to ART and maintaining PLHV in good health.

DAY 2:

SESSION 1:

1. **Carlos del Rio:**
Carlos del Rio will give a critical review of the strengths and weaknesses of the ART programmes and the most useful way to improve access, improve and measure adherence, and improve retention in care. The care cascade: Lessons from the USA and Africa.

SESSION 2- Breakout Session:

1. **Graeme Meintjies:**
Graeme Meintjies will discuss the cases that highlight the management challenges of the commonest OI's in South Africa (except CCM).
2. **Vincent Marconi:**
Vincent Marconi will provide case studies of the first and second line ART failure and discuss the evidence based approaches to switch therapy use of resistance test. He will also give an update on the rate of transmitted drug resistance in Africa.
3. **Ajesh Maharaj:**
Ajesh Maharaj will discuss chronic inflammation and the approach to the diagnosis and management of the connective tissue disease in HIV by using illustrative cases.

SESSION 3- CPC:

1. **Gerry Friedland:**

Gerry Friedland will discuss the differential diagnosis of worsening pulmonary infiltrates in an HIV positive patient. Yunus Moosa will comment on the management and pathophysiologic considerations with a team of pathologists and clinicians from UKZN.

SESSION 4:

1. **Tracey Cho**

Tracey Cho will discuss the approach to the diagnosis and management of the CNS manifestations of HIV, both infectious and non-infectious, as well as ART choices.

SESSION 5:

1. **MMC- Shabalala:**

Shabalala will give an update on the national programme and how to scale up.

2. **Victor Fredlund:**

Victor Fredlund will discuss how to expand NIMART and will focus on quality control. He will also discuss practical issues on the ground.

3. **Nesri Padayatchi:**

Nesri Padayatchi will address IPT and the two sides of the debate and the case for urgent implementation.

SESSION 6:

1. **N Kumaraswamy:**

Kumaraswamy will discuss the starting and sequencing of ART for adverse events and treatment failure in resource limited settings.

2. **Francois Venter:**

Francois Venter will discuss how to manage HIV in the ageing population- the new diagnosis in the aged, and growing old with HIV.