

The consequences of HIV/HAART associated body fat alterations and metabolic abnormalities represent a major challenge to successful long-term therapy.

Descriptive analyses of body fat alterations are limited, hindering insight into underlying pathogenic mechanisms, natural history, and treatment responses.

Various imaging modalities have been used to quantify these body fat alterations, but no consensus exists as to their role in diagnosing and managing these disorders.

This conference will stimulate the exchange of ideas and data related to the use of imaging techniques in the study of body fat alterations. This forum will lead to the more rationale use of these methods and to their ongoing study.

Learning Objectives

- understand how different imaging techniques provide meaningful data on body composition analysis
- understand how body composition analysis by different imaging techniques is an integral component of the study of the Lipodystrophy Syndromes
- understand how to integrate imaging methods into the evaluation and management of patients with the Lipodystrophy Syndromes
- understand the role of bone densitometry analysis in the evaluation and management of patients

Clinical Applications of Imaging Technologies in the Management of the HIV Lipodystrophy Syndromes

DAY 1

Session I

- 08:30** Welcome and introduction
Dr. Julian Falutz
- 08:45** Body composition analysis: an Overview
Dr. Steve Heymsfield
- 09:15** Body composition analysis during different stages of life
Dr. Marie-Pierre St. Onge
- 09:45** Imaging modalities to characterize body composition in non-HIV clinical conditions
Dr. Robert Ross
- 10:15** Break

Session III

- 14:00** Imaging modalities to assess dietary and exercise effects on body composition
Dr. Abby Shevitz
- 14:30** Imaging modalities to assess body shape changes in 'switch' studies
Dr. Andrew Carr
- 15:00** Imaging modalities to assess body shape changes in therapeutic interention studies
Dr. Esteban Martinez
- 15:30** Imaging modalities to assess body shape changes associated with cosmetic surgical interventions
Dr. Willy Rozenbaum
- 16:30** Posters/Displays
- 19:30** Bus to restaurant
- 20:00** Dinner

Session II

- 10:45** Body composition analysis in HIV wasting and lipodystrophy syndromes
Dr. Donald Kotler
- 11:15** Imaging modalities to assess lipoatrophy and lipohypertrophy
Dr. Carl Grunfeld
- 11:45** Imaging modalities to assess body shape changes in HIV+ children
Dr. Alessandra Vigano
- 12:15** Lunch

DAY 2

Session IV

- 09:00** Use of DXA to assess bone mineral changes
Dr. Pablo Tebas
- 09:30** Intro to Workshops:
a-Methodologies
Dr. Jack Wang
b-Guidelines for clinical trials
Dr. Ken Lichtenstein
c-Guidelines for clinical management
TBA
d-Financial considerations
TBA
- 11:15** Break
- 11:30** Workshop summaries
a- Methodologies
Dr. Kathy Mulligan
b- Clinical trials guidelines
Dr. Massimo Galli
c- Clinical management guidelines
Dr. Waldo Belloso
d- Financial considerations
Dr. Bob Munk
- 12:30** End-note