

APNEP Pre-congress

Body composition assessment: an introduction to Computed Tomography and ultrasound

Date: 25 March 2017

Morning: theoretical background (9:30-13:00 h)

- 9:30-9:35 Opening
Aníbal Marinho, President APNEP
- 9:35-9:40 Welcome message
Vickie Baracos, University of Alberta, Canada
- 9:40-10:05 The role of muscle status in the assessment of malnutrition
Harriët Jager-Wittenaar, Hanze University of Applied Sciences and University Medical Center Groningen, The Netherlands
- 10:05-10:30 The role of muscle status in the assessment of sarcopenia
Maria Cristina Gonzalez, Universidade Católica de Pelotas, Brazil
- 10:30-11:15 Computed Tomography in the evaluation of body composition: current state of the art
Vickie Baracos, Department of Oncology, University of Alberta, Cross Cancer Institute, Canada
Carla Prado, Department of Agricultural, Food and Nutritional Science - Division of Human Nutrition, University of Alberta, Canada
- 11:15-11:45 Coffee break
- 11:45-12:10 Computed Tomography: implications for clinical practice in oncology
Martine Sealy, Hanze University of Applied Sciences and University Medical Center Groningen, The Netherlands
- 12:10-12:35 An alternative method to quantify and qualify muscles: ultrasound
Willelme Nijholt, Hanze University of Applied Sciences, The Netherlands
- 12:35-13:00 The role of ultrasound in the assessment of sarcopenia
Thiago Gonzalez Barbosa-Silva, Universidade Católica de Pelotas, Brazil
- 13:00-14:00 Lunch break

Afternoon: practical training sessions (parallel sessions, 105 min each)

- 14:00-15:45 Session A: How to analyze and interpret CT scans – basic instruction
Teachers:
- Yves Martel, TomoVision
- Martine Sealy, Hanze University of Applied Sciences and University Medical Center Groningen, The Netherlands
- Others to be announced
- Session B: How to perform, analyze and interpret ultrasound – basic instruction
Teachers:

- Thiago Gonzalez Barbosa da Silva, Universidade Católica de Pelotas, Brazil
- Maria Cristina Gonzalez, Universidade Católica de Pelotas, Brazil
- Willemke Nijholt, Hanze University of Applied Sciences, The Netherlands
- Luiz da Silva, Intelametrix Inc.
- Renato Sousa, CESPu and CHMA, EPE Portugal

15:45-16:00 Coffee break and change of sessions

16:00-17:45 Session A: How to analyze and interpret CT scans – basic instruction

Teachers:

- Yves Martel, TomoVision
- Martine Sealy, Hanze University of Applied Sciences and University Medical Center Groningen, The Netherlands
- Others t.b.a.

Session B: How to perform, analyze and interpret ultrasound – basic instruction

Teachers:

- Maria Cristina Gonzalez, Universidade Católica de Pelotas, Brazil
- Thiago Gonzalez Barbosa da Silva, Universidade Católica de Pelotas, Brazil
- Willemke Nijholt, Hanze University of Applied Sciences, The Netherlands
- Luiz da Silva, Intelametrix Inc.
- Renato Sousa, CESPu and CHMA, EPE, Portugal

Objectives:

- To explain the role of muscle status evaluation in the assessment of malnutrition and sarcopenia
- To explain how CT scans and ultrasound can be utilized to evaluate muscle status
- To give a basic instruction on how to analyze and interpret CT scans
- To give a basic instruction on how to perform, analyze and interpret ultrasound