

ERS School Course in collaboration with ISAM

“Medical Aerosols: Ins and outs of inhalation therapy”

November 12-14, 2009, Amsterdam, the Netherlands

Thursday, November 12th 2009

- 08.00 – 08.30** Registration
08.30 – 09.00 Welcome & by the course leaders
Intake test by the participants

Session I

Chair: TBC

- 09.00 – 09.45** Basic aerosol science – B. Laube
09.45 – 10.30 Current devices (pMDI, Autohaler, holding chambers, DPI, nebulizers) – H. Janssens
10.30 – 11.00 *Coffee Break*

Workshop 1: round I

- 11.00 – 12.30** Measurement of aerosol particles (cascade impactor, breathing simulation, Malvern?)
– F. de Jongh, G. Horn
Devices pMDI/pMDI spacers/DPI & selection issues – E. Derom, H.M. Janssens
Device nebulizers & selection issues – M. Everard, J. Dennis
12.30 – 14.00 *Lunch*

Workshop 1: round II

- 14.00 – 15.30** Measurement of aerosol particles (cascade impactor, breathing simulation, Malvern?)
– F. de Jongh, G. Horn
Devices pMDI/pMDI spacers/DPI & selection issues – E. Derom, H.M. Janssens
Device nebulizers & selection issues – M. Everard, J. Dennis
15.30 – 16.00 *Coffee Break*

Workshop 1: round III

- 16.00 – 17.30** Measurement of aerosol particles (cascade impactor, breathing simulation, Malvern?)
– F. de Jongh, G. Horn
Devices pMDI/pMDI spacers/DPI & selection issues – E. Derom, H.M. Janssens
Device nebulizers & selection issues – M. Everard, J. Dennis
18.00 *Welcome drink*

Friday, November 13th 2009

Session II

Chair: TBC

- 08.30 – 09.15** Aerosol therapy & pharmacology – H. Chrystyn
09.15 – 10.00 Lung disease & medical aerosols, antibiotics & Dnase – E. Derom
10.00 – 10.45 New nebulizer technologies: how it can be used in practice? – J. Dennis
- 10.45 – 11.15** *Coffee Break*
- 11.15 – 12.00** Patient device interaction & adherence issues – M. Everard
12.00 – 12.45 Regulatory – H. Chrystyn
- 12.45 – 14.00** *Lunch*

Workshop 2: round I

- 14.00 – 15.15** Group 1) Pediatrics: **The art of instruction** (Video & devices available) – H.M. Janssens, B. Laube
Group 2) Nurses: **The art of instruction** (Video & devices available) – F. de Jongh, D. Schuermans
Group 3) Pulmonologists, pharmacists & others: **Nebuliser therapy in hospital** – J. Dennis, E. Derom
- 15.15 – 15.45** *Coffee Break*

Workshop 2: round II

- 15.45 – 17.00** Group 1) Pharmacists & other: **The art of instruction** (Video & devices available) – H.M. Janssens, B. Laube
Group 2) Pulmonologists: **The art of instruction** (Video & devices available) – F. de Jongh, D. Schuermans
Group 3) Pediatrics, respiratory nurses/therapist: **Nebuliser therapy in hospital** – J. Dennis, E. Derom

Saturday, November 14th 2009

Session III

Chair: TBC

- 08.30 – 09.15** The role of the respiratory therapist & nurse in aerosol therapy – D. Schuermans
09.15 – 10.00 Aerosols in systemic drug delivery, gene therapy & vaccines – B. Laube
10.00 – 10.45 Environmental aerosols – F. de Jongh
- 10.45 – 11.15** *Coffee Break*
- 11.15 – 12.30** Case discussion by participants: Adult Session – E. Derom, F. de Jongh, D. Schuermans
11.15 – 12.30 Case discussion by participants: Paediatric Session – M. Everard, H.M. Janssens
- 12:30 – 13.00** Final remarks by organisers
Final test by participants
- 14.00** End of the course