



General Anaesthesiology

Learning track 01

Saturday, 4 June & Sunday, 5 June 2022

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Workshop

SEDW1-2 Target-Controlled Infusion (TCI) for sedation and general anaesthesia Yellow 2

**Access to these workshops is limited to pre-registered delegates

Learning objectives:

By the end of this workshop, participants will:

- (1) understand how pharmacokinetic-pharmacodynamic (PK-PD) models are developed and implemented in TCI systems;
- (2) appreciate the benefits of TCI in comparison with manual infusion techniques for sedation and anaesthesia;
- (3) describe the PK-PD differences between children, adults, the elderly and the obese;
- (4) understand the differences between different PK-PD models for propofol, and the advantages and disadvantages of each;
- (5) understand the pitfalls and problems that can arise during the use of TCI for sedation or anaesthesia;
- (6) know how to harness TCI technology to provide optimally stable and safe anaesthesia in children and adults.

Target audience: anyone interested in using target-controlled infusions for anaesthesia and sedation, including those considering using it for paediatric anaesthesia.

Sat, 14:00 – 17:30
Sun, 08:30 – 12:00

Chair: Anthony Absalom (Groningen, Netherlands)
Co-Chair: Michel MRF Struys (Groningen, Netherlands)

STATION 1: TCI FOR GENERAL ANAESTHESIA

15 min

TCI for general anaesthesia - basics

Speaker: Michel MRF Struys (Groningen, Netherlands)

15 min

TCI for general anaesthesia – new models

Speaker: Stefan Schraag (Clydebank, United Kingdom)

15 min

Q&A Session

GROUPS ROTATION

30 min

STATION 2: TCI FOR SEDATION

Speaker: Anthony Absalom (Groningen, Netherlands)

Speaker: Mendy Driesens (Groningen, Netherlands)

15 min

Q&A Session

GROUPS ROTATION

30 min

STATION 3: TCI FOR PAEDIATRIC ANAESTHESIA

Speaker: Laura Hannivoort (Groningen, Netherlands)

Speaker: Elizabeth Allison (Sheffield, United Kingdom)

15 min

Q&A Session

GROUPS ROTATION

15 min

BREAK

INTERACTIVE DISCUSSIONS IN SMALL GROUPS (3 rotations)

15 min

Station 1:

Facilitator: Michel MRF Struys (Groningen, Netherlands)

Facilitator: Stefan Schraag (Clydebank, United Kingdom)

15 min

Station 2:

Facilitator: Anthony Absalom (Groningen, Netherlands)

Facilitator: Laura Hannivoort (Groningen, Netherlands)

15 min

Station 3:

Facilitator: Elizabeth Allison (Sheffield, United Kingdom)

Facilitator: Mendy Driesens (Groningen, Netherlands)