

W	SEDW1 Workshop	Monday, 3 June 09:00 - 12:00	Target-controlled infusion (TCI) for sedation (1) **IMPORTANT NOTICE: access is limited to pre-registered delegates	Lehar 2
W	SEDW2 Workshop	Monday, 3 June 14:00 - 17:00	Target-controlled infusion (TCI) for sedation (2) **IMPORTANT NOTICE: access is limited to pre-registered delegates	Lehar 2



Learning objective

The workshops will be run by three international experts. Attendees will be divided into three groups of 15, rotating through the three stations. Strong emphasis will be put on interaction, opportunity for questions and hands-on experience of setting up and starting the equipment.

At the end of this session attendees will:

1. be able to setup TCI pumps and drug administration lines;
2. appreciate the principles and approach needed to optimise safety and prevent errors;
3. know the differences between TCI pumps and simpler manually controlled infusion pumps;
4. understand the basic principles of how TCI pumps use pharmacokinetic models to calculate infusion rates and other safety basics;
5. understand how to use TCI pumps to titrate sedation to effect;
6. appreciate the large variability of sedation requirements in various settings;
7. be aware of safe standards in monitoring and conduct of procedural sedation;
8. know the tools necessary to find the best TCI drug combinations that will result in patients who are adequately sedated but still breathing;
9. be able to use computer simulations of drug interactions to appreciate the magnitude and nature of these interactions;
10. know which drug combinations offer the optimal clinical conditions.

Target audience: Anyone interested in the field of sedation, but with little or no experience of using propofol infusions and particularly target-controlled infusions for sedation.

Chairs:

Michel Struys* (Groningen, Netherlands)
Anthony Absalom* (Groningen, Netherlands)

Welcome and introduction

Workstation 1 - How TCI pumps work and how they differ from manually controlled infusion pumps.

Set-up and safe use of TCI systems. Fundamentals of PK/PD models

Anthony Absalom* (Groningen, Netherlands)

Workstation 2 - Clinical examples and strategies of using TCI for procedural and loco-regional sedation.

Current practice guidelines and monitoring for safe sedation.

Stefan Schraag* (Clydebank, United Kingdom)

Coffee break

Workstation 3 - "Sedated and still breathing"

Michel Struys* (Groningen, Netherlands)