

## Tandem Certified Pump Training Program

Endorsed by the ADEA for up to 16 Continued Professional Development points

### Objective:

To have essential and relevant knowledge of the Tandem Insulin Pump and Dexcom CGM system, as integrated with the Tandem pump. This will enable the Healthcare professional (HCP) to have the technical competency to initiate and follow up a person commencing on Continuous Subcutaneous insulin infusion (CSII) and Continuous Glucose Monitoring (CGM) using the Tandem and Dexcom systems.

### Program Overview:

There are four parts to the Tandem Certified Pump training program:

- 1) Theoretical and hands-on knowledge of the fundamental t:slim X2 insulin pump features and operation: 8 ADEA CPD points
- 2) Observation of t:slim pump starts to ensure technical competency: 4 ADEA points
- 3) Theoretical knowledge and understanding of new technology and/or features as introduced by Tandem: 2 ADEA CPD points per update
- 4) Ongoing review

### Criteria:

You must have one of the following HCP qualifications and work within your scope of practice as defined by the relevant professional body:

- Doctor (Endocrinologist, Physician or Registrar)
- Diabetes Educator (CDE or DNE)
- Nurse Practitioner (CDE)

### Part 1:

a) Education and Training provided by AMSL Diabetes (See Appendix 1):

- Attend an AMSL Diabetes Pump Training workshop; and/or
- Individual Training with your local AMSL Diabetes representative

b) Has viewed and successfully completed the online videos:

#### Consumer Information Videos:

- I. Getting to Know Your t:slim X2 Pump
  - a. Overview: <https://www.youtube.com/watch?v=gMzCJuGxgD4&t=2s>
  - b. Features: <https://www.youtube.com/watch?v=9lsZ5y-CVII>
- II. Cartridge Fill & Load Process:  
<https://www.youtube.com/watch?v=2aj9yqB-AF8&t=16s>
- III. t:slim X2 Insulin Pump - Getting Started with Personal Profiles:  
<https://www.youtube.com/watch?v=GUBREm2XJTk&t=2s>



IV. t:slim Insulin Pump: Delivering a Bolus:  
<https://www.youtube.com/watch?v=j-oty06us5c&t=6s>

c) Completed Pump Trainer Examination provided by AMSL diabetes and obtain a minimum pass mark of 95%

t:slim fundamental exam: <https://www.surveymonkey.com/r/tslimfundamental>  
Password: Tandem123

***After the successful completion of Part 1 (steps a-c) AMSL Diabetes will award 8 ADEA endorsed CPD points and issue a certificate of education for the Tandem Insulin pump***

## **Part 2: Practical**

Complete a minimum of two Tandem pump start under the observation of an AMSL Diabetes representative. The purpose of the observation is to review the technical training provided and ensure technical competency only. As such additional observations may be required at the discretion of the AMSL Diabetes representative. Clinical education and scope of practice is determined by the clinician's accredited professional body.

***After the successful completion of Part 2, an additional 4 ADEA endorsed CPD points will be awarded and AMSL Diabetes will issue a Certified Pump Trainer certificate.***

The Pump Trainer can then undertake pump starts for the Tandem Insulin Pump and Dexcom CGM as required (Dexcom Certified Training) is a separate process.

## **Part 3: Tandem Updates**

When new updates for the t:slim are launched, HCP's previously certified as a Tandem Pump Trainers must complete the following to maintain current Tandem CPT status:

- a) Any new modules relating to updated features
- b) Pump Trainer Examination

***After successful completion of Part 3, AMSL will issue a certificate of updated training. As per current ADEA CDE credentialing protocol, 1hr of training can be awarded 1 point (maximum 2 points).***



### **Current updates available:**

#### *Basal-IQ Technology Update:*

- a) Module:
  - i. Basal-IQ Technology and Dexcom G6 CGM Update: [https://amsldiabetes.com.au/Clinical\\_Professionals/story.html](https://amsldiabetes.com.au/Clinical_Professionals/story.html)
  
- b) Exam:
  - ii. t:slim with Basal-IQ: <https://www.surveymonkey.com/r/tandemBasalIQexam>

#### *Control-IQ Technology Update:*

- a) Module:
  - i. Control-IQ Technology Update: <https://amsldiabetes.com.au/Control-IQ%20Training%20Modules/HCPs/story.html>
  
- b) Exam:
  - ii. t:slim with Control-IQ: <https://www.surveymonkey.com/r/Control-IQ>

### **Part 4: Ongoing Review:**

Every 2 years, completion of any updates in the training course in Part 1 (a-b), and a minimum of one Tandem pump start under the observation of an AMSL Diabetes representative is required to maintain Tandem CPT status.

## Appendix 1: Training Course Outline

### *Overview of Pump*

- Features
- Device Settings:
  - Display settings; Bluetooth settings; Time and date; Sounds Volume; Security Pin
- CGM (optional for patients)
- Personal profiles
  - Pump settings: Quick Bolus; Max bolus; Basal Limit;
  - Timed settings: Basal; I:C ratio; Correction Factor; Target BG; IOB; Carbohydrate ON/OFF
- Filling and attaching the pump
- Bolusing
- Correction, CHO, Extended
- Temp Basal
- Status Screen
- Pump Reminder
  - Low BG, High BG, After bolus BG, Missed bolus reminder, Set reminder
- Pump Alerts
  - Auto Off, Low insulin
- Alarms
- History

### *Infusion Sets*

- Types available
- Insertion of infusion sets

### *Diasend by Glooko Software package:*

- Registering a person wearing the tSlim pump
- Downloading data
- Accessing reports
- Navigation of reports

### *Basal-IQ Technology*

- System overview
- Suspension and resumption rules
- Alert functions
- Clinical data
- Data review in diasend by Glooko

### *Control-IQ Technology*

- System overview
- Indications
- Treatment values
- Setting up Control-IQ
- Sleep and Exercise activities, automatic corrections
- Extended boluses and alert functions
- Real-world learnings
- Data review in diasend by Glooko

## Resources

*Tandem insulin pump (Available for in-person training with your local AMSL Representative)  
or T:simulator app (Android or Apple devices)*

### *Presentations*

- HCP Training PowerPoint Presentation
- HCP Control-IQ Training presentation
- Tandem pump start PowerPoint presentation

### *Online*

- Tandem online modules (as detailed above)
- AMSL diabetes online resources <http://amsldiabetes.com.au/resources/> Includes
  - Tandem User Guide
  - diasend by Glooko resources

### *Checklists*

- Tandem pump start check list

### *Guides*

- Tandem User Guide
- AMSL Diabetes Tandem pump start booklet
- Consumables/ Infusion sets
- Control-IQ workbook

### *Clinical Papers*

### *Examination*

- AMSL Diabetes /CGM Exam (detailed above)