

# MEDICAL EDUCATION

## SPINE NAVIGATION StealthStation™S7™ Training Agenda

**Medtronic**  
Further. Together

This course instructs Allied Health staff and operating room staff on the use of StealthStation™S7™ Navigation system, the Spine application and navigated spine surgical instruments. Emphasis is on understanding the concepts of surgical navigation, and navigated procedure workflow and roles.

### **DAY 1 – Morning**

8:30 Introductions and Course expectations

- Orientation to course materials

Computer-assisted surgery

- Technology overview
  - Required elements for navigated procedures
  - Optical tracking
    - Line of sight
    - Importance of the reference frame
  - Clinical Applications

9:15 StealthStation™ Systems set up, components, take down

- Setup Exercise
- Review

10:00 a.m. Break

10:15 a.m. Spine Software Overview

Navigating the Software

Software steps in a case using O-arm™ images

- Select Surgeon screen
- Select Procedure screen
- Setup Equipment Screen
- Assembling and Verifying Instruments
  - Instruments with TeraTrackers
- Exercise: Spine Software and Verifying Instruments

Review

Basic Instrument Troubleshooting

12:00 pm Lunch

## **DAY 1 – Afternoon**

- 1:00 p.m. The Navigate Screen - Modifying images, changing views and layout
- Exercise
- NavLock Instruments
- Assembly
  - Toolcards
- The Navigate Screen – Selecting Projections and Tips, Saving Plans and Screws
- Exercise
- Navigate Screen Review
- Assist the Surgeon Exercise
- 3:00 p.m. Instruments Trays - Part 1
- Tactile Probes
  - NavLock™ Instrument set
  - Taps and drivers (all)
  - Drill Guides
    - Universal Drill Guide (UDG)
    - Vertex™ Max
- 3:45 Customizing the Software and Registration of Fluoro Images
- Admin>Options
  - The Other Admin Screens
    - Overview of Admin tabs
    - Adding Equipment and Instruments to the site
    - Archiving Exams
  - Introduction to using Fluoro Imaging with the StealthStation system
  - Fluoro-imaging and Customization Exercise
  - Review
- 4:30 Reference Frame Options
- The Spine Referencing set
  - The Light frames (Vertex™ Max set)

## **DAY 2**

- 8:30 a.m. Case set-up Exercise
- 9:30 a.m. Instruments
- Perc Pin Reference Frame
  - Dilators
    - Mast
    - DLIF
  - PAK Needles
- 10:00 a.m. Introduction to O-arm™ Imaging system
- Radiation safety
  - OR set-up considerations – tables, arm boards, cables, etc.
  - Main features and functionality
  - Workflow of a case using O-arm™ Imaging System

- 12:00 Lunch
- 1:00 p.m. O-arm™ System Draping and Emergency Procedures
- Draping practice
  - Emergency procedures demo
- 2:00 p.m. Break
- 2:15 p.m. Additional Instruments
- Navigated Interbody Devices
  - SureTrak2™ Instrument Set – assembly how, what, why, calibration
  - Basic Spine Set (optional topic)
- 3:15p.m. \*\*Additional registration methods (optional, based on trainee need and interest)
- 3:45p.m. Course evaluations
- 4:00 p.m. Awarding of certificates, adjourn

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