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Section on Robotics & Navigation **Improving Accuracy and Efficiency in Navigated and Robotic Spine Surgery**

Friday, March 18 - Saturday, March 19, 2016

Spine Education & Research Center

Burr Ridge, IL

Course Chair: Chetan K. Patel, MD

Faculty: Andrew Fabiano, MD
Isadore Liberman, MD
Michael Mac Millan, MD
Eric Nottmeier, MD
Chetan K. Patel, MD
Srinivad Prasad, MD
Bawarjan Schatlo, MD
Kern Singh, MD

Course Description

The course will explain the pros and cons and give participants hands-on experience with a variety of navigation and robotic spine surgery systems. Optimal technique and workflow will be demonstrated.

Course Objectives

Upon completion of this course, participants will gain strategies to:

- Explain similarities and differences between the different navigation and robotic systems;
- Present critical analysis of the literature demonstrating the results achieved with the current systems;
- Describe the optimal technique to achieve the highest level of accuracy with computer assisted surgery;
- Demonstrate the optimal workflow to improve efficiency and save OR time during computer assisted surgery;
- Give participants the opportunity for hands-on experience with multiple navigation and robotic systems simultaneously.

Agenda

Friday, March 18

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| 8:30 a.m. | Registration & Continental Breakfast |
| 8:30-8:35 a.m. | Welcome and Introductions
<i>Chetan K. Patel, MD</i> |
| 8:35-9:00 a.m. | Lecture: Computer Assisted Surgery: What are the Different Options?
<i>Faculty</i> |
| 9:00-9:30 a.m. | Lecture: Computer Assisted Surgery: Nuts and Bolts of the Technology
<i>Faculty</i> |
| 9:30-10:00 a.m. | Lecture: Critical Analysis of Outcomes of Navigated Spine Surgery
<i>Faculty</i> |

10:00-10:30 a.m. BREAK

10:30-11:00 a.m. Critical Analysis of Outcomes of Robotic Spine Surgery

11:00-11:30 a.m. Cost and Value Proposition for Use of Navigated and Robotic Spine Surgery

11:30 a.m.-12:30 p.m. LUNCH

12:30-12:45 p.m. Techniques that Optimize Accuracy of Navigated Spine Surgery

12:45-1:00 p.m. Workflow to Improve Efficiency and Save Time with Navigated Spine Surgery

1:00-1:15 p.m. Techniques that Optimize Accuracy of Robotic Spine Surgery

1:15-1:30 a.m. Workflow to Improve Efficiency and Save Time with Robotic Spine Surgery

1:30-2:00 p.m. Discussion, Questions and Answers

2:00-3:30 p.m. Demonstration with Practice Time for Navigated Deformity Surgery

3:30-5:00 p.m. Demonstration with practice Time for Robotic Deformity Surgery

5:00 p.m. RECEPTION

Saturday, March 19

8:30 a.m. Registration & Continental Breakfast

8:30-10:00 a.m. Demonstration with Practice Time for Navigated Minimally Invasive Lumbar Surgery

10:00-10:15 a.m. BREAK

10:15-11:45 a.m. Demonstration with Practice Time for Robotic Minimally Invasive Lumbar Surgery

11:45 a.m.-12:00 p.m. Discussion, Questions and Answers

12:00 p.m. Course Adjourns