

Basics of Minimally Invasive Surgery

(A Course for Junior Residents in Surgery, OB/GYN and Urology)

**Legacy Health System, Department of Minimally Invasive Surgery,
Portland, Oregon**

Friday, August 17, 2007

Course Objectives

1. Describe commonly used laparoscopic instruments
2. Discuss trouble shooting of video equipment and insufflators
3. Describe technique of safe peritoneal access and discuss physiology and complications of pneumoperitoneum
4. Discuss key technical issues essential for advanced laparoscopic procedures such as trocar positioning, laparoscopic tissue handling, abdominal exploration, control of hemorrhage and laparoscopic suturing and knot tying
5. Describe use of and complications related to commonly used energy sources during laparoscopic surgery
6. Explain technique of laparoscopic cholecystectomy
7. Apply laparoscopic surgical techniques practiced in a faculty-supervised hands-on laboratory session

Course Director

Dr. Tayyab S. Diwan

Course Faculty

Dr. Christy M. Dunst

Dr. Paul D. Hansen

Dr. Michael Ujiki

Dr. Yash Khajanchee

Jason Cowley

Program Schedule

Date: Friday, August 17, 2007

Time: 7:30 am - 4:30 pm

**Venue: Holladay Park (Legacy Clinical Research and Technology Center,
1225 NE 2nd Ave., Portland, OR)**

- 0730 – 0800** **Registration, Welcome & Breakfast**
- 0800 – 0830** **Introduction to Laparoscopic Instrumentation and Trouble Shooting Video Camera, Insufflators, and Light Source**
Tayyab S. Diwan, MD
- 0830 – 0900** **Physiology, and Complications of Pneumoperitoneum**
Michael Ujiki, MD
- 0900 – 0930** **Safe Cholecystectomy**
Tayyab S. Diwan
- 0930 - 0945** **Break**
- 0945 - 1015** **Key Technical Issues Essential for Advanced Laparoscopic Surgery: Part 1**
(Patient Positioning, Trocar Positioning, Laparoscopic Tissue Handling, Abdominal Exploration and Control of Hemorrhage)
Christy M. Dunst, MD
- 0900 – 0930** **Various Energy Sources - Cautery and Harmonic Scalpel**
Jason Cowley/ or Yash Khajanchee, MD
- 1045 - 1115** **Key Technical Issues Essential for Advanced Laparoscopic Surgery: Part 2**
(Suturing, Knot-Tying, Stapling, and Wound Closure)
Michael Ujiki, MD
- 1115 – 1230** **Lunch**
- 1230 – 1600** **Lab Station Rotations**
1. Video-Tower set up, Trouble Shooting and Laparoscopic Instruments:
(Scopes, Trocars, Graspers, etc)
 2. Hands-On Station
 3. Cautery and Harmonics
 4. Rodeo-Video
 5. Trocar Placement and Wound closure:
 6. Suturing
- 1600 – 1630** **Course Evaluation & Adjournment**