Anesthesia Machine Workshop

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Northwestern Memorial Hospital
Northwestern University’s
Feinberg School of Medicine
Dräger Medical, Inc. USA
Doctors Oxygen

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Ling Qun Hu, MD
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VISITING PROFESSOR
Samsun Lampotang, PhD
Professor of Anesthesiology
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WORKSHOP DESCRIPTION & FOCUS
The workshop is the most comprehensive, well-designed anesthesia machine workshop in the United States. This intensive hands-on anesthesia machine educational event includes:

1. Hands-on demonstration and practice of FDA/ASA recommended pre-use machine inspection.
2. Hands-on problem solving station with the simulator along with ten other anesthesia equipment stations.

The anesthesia machine workshop was primarily developed for housestaff, CRNAs, respiratory therapists, and anesthesia technicians although interested faculty are encouraged to attend. Participants will gain experience in anesthesia equipment usage, including opportunities to troubleshoot common problems, with an emphasis on patient safety. In addition, residents will gain knowledge to correctly answer the anesthesia equipment questions on the anesthesiology board examinations.

The workshop provides a great opportunity for participants to speak with experts from a users’ and developers’ perspective, the anesthesiologists and anesthesia machine/biomedical engineers. We are pleased to have visiting professor, Samsun Lampotang, PhD, from the Department of Anesthesiology at the University of Florida to participate once again in the workshop. Dr. Lampotang is the inventor of the Virtual Anesthesia Machine (VAM) web simulator and Augmented Virtual Anesthesia Machine. The workshop is a collaboration of experienced and well-established anesthesia machine workshop faculty from several different backgrounds.

WORKSHOP OBJECTIVES
1. Expose participants to various aspects of anesthesia machine basics and safety features through hands-on simulations
2. Provide participants hands-on practice with equipment, identifying problems, locating the cause and determining workable solutions
3. Pre and post examinations are attempted to evaluate the workshop efficacy and facilitate knowledge gain.

WORKSHOP AGENDA

<table>
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<tr>
<th>Time</th>
<th>Activity</th>
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| 7:30 – 8:00 am| Registration
Breakfast
Ms. Carolyn S. Betts |
| 8:00 – 8:20 am (Conf. A) | Pre-Assessment Exam |
| 8:20 – 8:30 am | Welcome
Ling Qun Hu, MD |
| 8:30 – 12:30 pm | Eight Hands-On Rotations |
| 12:30 – 1:00 pm | Post-Assessment Exam
Lunch |
| 1:00-1:30 pm | Hands-On Rotation of Your Choice |

HANDS-ON WORKSTATIONS

<table>
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<tr>
<th>Number</th>
<th>Station</th>
<th>Equipment</th>
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| 1.     | Do or Die (Conf A) | Pre-Use Machine Inspection
Sophy Zheng, MD
Haisook Kim, CRNA |
| 2.     | Breathing Better (Conf A) | Circuit Systems
Luminita Tureanu, MD
Dave Heale |
| 3.     | Gas Station (Conf A) | Vaporizers
Bruno DeCaria, MD
Alok Gupta, MD |
| 4.     | Waste Management (Conf A) | CO₂ Absorbents & Scavenging
Meltem Yilmaz, MD
Sherwin Samson, CRNA |
| 5.     | Go with the Flow (Conf A) | ICU/OR Ventilators
Sherif Alifi, MD
Phillip Robles, CRNA
Cherian Paily, MS, RRT, RCP |
| 6.     | Parts & Services (Conf A) | Hypoxemia Protection
Gilbert Tang, MD
Doug Poole |
| 7.     | Naked Machines (Conf E) | Augmented Virtual Anesthesia Machine
Samsun Lampotang, PhD
Olufumilayo Ayanbule, MD |
| 8.     | Trouble Maker (Conf F) | Trouble Shooting
Ljuba Stojiljkovic, MD, PhD
Leonard Wade, MS |

REGISTRATION FORM

Saturday, March 12th, 2016

Anesthesia Machine Workshop:
Understanding Our Work Spouse
Northwestern Memorial Hospital
Conferencing Center
Feinberg Pavilion, 3rd Floor

Registration Deadline: March 3rd, 2016
(for non-Northwestern Anesthesiology Residents)

Name ____________________________________________

Position _______________________________________

Department ______________________________________

Program _______________________________________

E-mail ___________________________________________

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