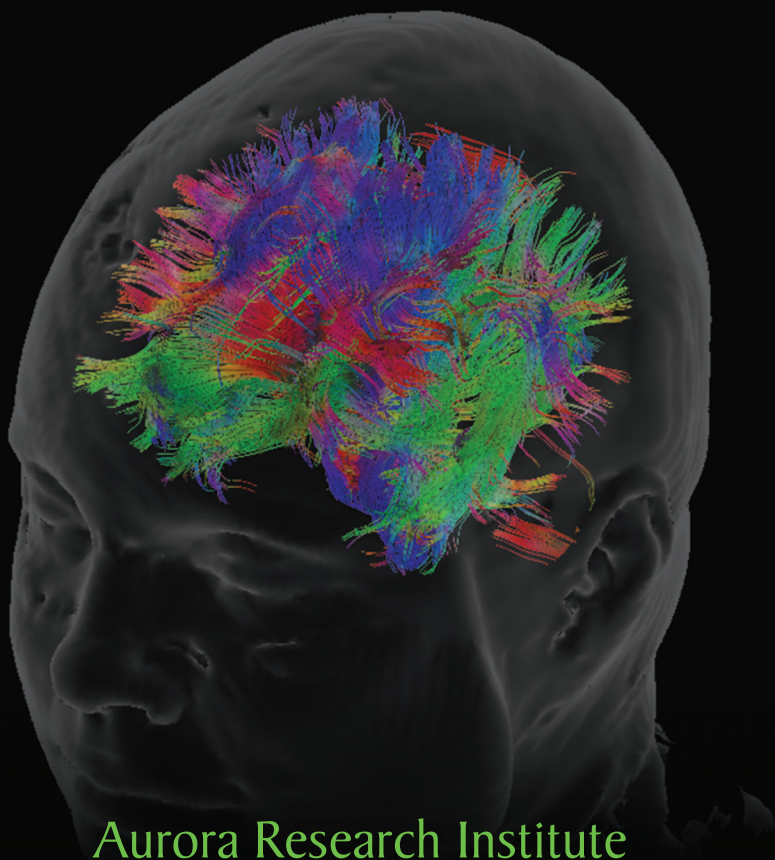


The 6 Pillar Approach

for Comprehensive Management of Subcortical Lesions

April 17-18, 2015



Aurora Research Institute

Aurora Sinai Medical Center Campus
Milwaukee Heart Institute Building
960 N. 12th Street, Lower Level
Milwaukee, WI 53233

April 17, 2015 from 7:00 am-5:15 pm

April 18, 2015 from 7:30 am-4:00 pm

Description

The 6 Pillar Approach is the result of a recent convergence of technologies to manage abnormalities affecting the intraaxial subcortical white matter space. This confluence of technologies has led to the development of minimally invasive strategies via progressively smaller surgical corridors to reach and treat abnormalities in a targeted manner. Integration of these technologies is driven by a need to establish clinical and economic value in the delivery of precise, targeted treatment in an efficient manner. This value is articulated through *Surgical Biometrics*. A recorded surgical demonstration of **The 6 Pillar Approach** for **parafascicular** surgery of the white matter will be shown, and participants may interact with the surgeons and other members of the faculty.

The course features a hands-on simulation lab session.

Target audience: Neurosurgeons, neuroradiologists and neurologists interested in developing further knowledge of subcortical intraaxial space and white matter tractography, surgical biometrics and resource optimization.

Faculty

Course Directors

Amin B. Kassam, MD, FRCS(c)

*Chairman, Department of
Neurosurgery Aurora Medical
Group*

Vice President of Neurosciences

Medical Director, Neurosurgery

Aurora St. Luke's Medical Center

Milwaukee, Wisconsin

Richard Rovin, MD

Director of Clinical Research

Aurora Neuroscience Innovation

Institute

Milwaukee, Wisconsin

Aurora Faculty

Mohamed Labib, MDCM, FRCS(c)

Staff Neurosurgeon

*Aurora Neuroscience Innovation
Institute*

Aurora St. Luke's Medical Center

Milwaukee, Wisconsin

Bruce Radcliff, MBA

Director, Sourcing Strategy

Aurora Health Care

Milwaukee, Wisconsin

John C. Wlodarski, MD

Attending Anesthesiologist

Aurora St. Luke's Medical Center

Milwaukee, Wisconsin

Guest Faculty

Gustavo Pradilla, MD

Assistant Professor

*Department of Neurological
Surgery*

Emory University School

of Medicine

Chief of Neurosurgery Service

Grady Memorial Hospital

Director

Cerebrovascular Research

Laboratory

Atlanta, Georgia

Ronald L. Young II, MD

Director, Pediatric Neurosurgery

St. Vincent Indianapolis

Indianapolis, Indiana

Objectives

At the conclusion of the course, participants should be able to:

- Appraise and integrate the evolving technology platforms of white matter fascicular image interpretation, trajectory planning and subcortical anatomy.
- Assess principles and techniques of optimum cannulation pathways – **Parafascicular Surgery**.
- Analyze the advantages (depth of field and tissue differentiation) of the Exoscope.
- Apply the techniques of automation to improve performance curves and efficiency during resection phase for both MIS and conventional craniotomy corridors.
- Apply techniques to optimize tissue capture and viability.
- Examine the current immune-targeted molecular treatments available and the potential ability to deliver these in situ – "The 6th Pillar."
- Examine the limitations of corridor brain port approaches.
- Interpret the value of the 6 Pillar parafascicular approach in comparison to other forms of surgical interventions.
- Examine the efficiency factors that impact Surgical Biometrics analysis.

Accreditation



Creative Educational Concepts, Inc. (CEC) is accredited by the Accreditation Council for Continuing Medical Education (ACCME), the Accreditation Council for Pharmacy Education (ACPE), and the American Nurses Credentialing Center (ANCC), to provide continuing education for the healthcare team.

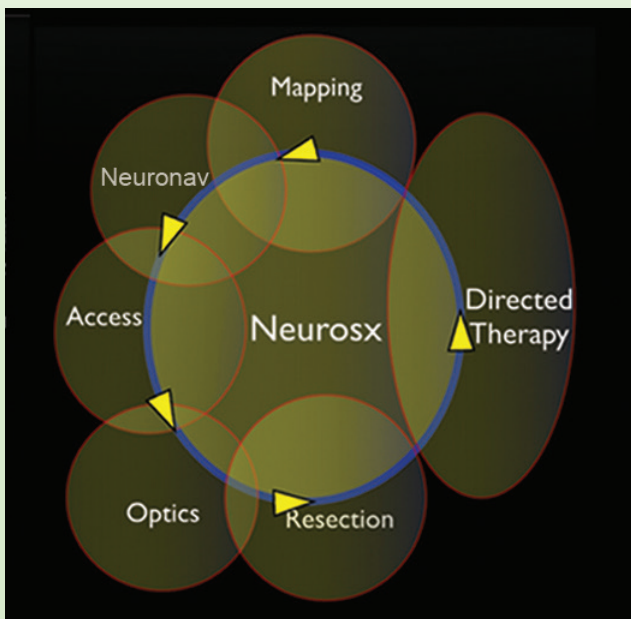
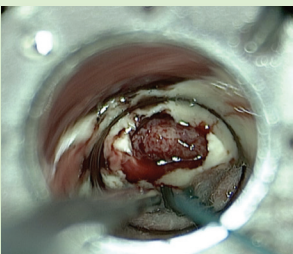
CEC designates this live educational activity for a maximum of *15.0 AMA PRA Category 1 Credits™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Upon completion of a CE Request Form, statements of credit for physicians will be issued within 30 business days.

Acknowledgement

This course is supported in part by educational grants from the following companies:

- Hitachi Aloka Medical, Ltd.
- KARL STORZ Endoscopy-America
- KLS Martin Group
- NICO Corporation
- Synaptive Medical Inc.



Agenda

Friday, April 17

- 6:45 am Shuttle Departs from The Marriott Hotel
- 7:00 Registration and Breakfast
- 7:30 **Overview – A Systems Approach: Principles of Integrating the 6 Pillars for Parafascicular Approach for White Matter Minimally Invasive Subcortical Surgery**
- a. Image Interpretation
 - b. Dynamic White Matter Navigation
 - c. Atraumatic Access
- 9:00 **Principles of Image Interpretation:**
- a. Physics of Diffusion Weighted Imaging
 - b. Clinical Applications of Diffusion Weighted Tumor Detection
 - c. Physics of Diffusion Tensor Imaging
 - d. Clinical Applications of Diffusion Tensor Imaging
- 10:30 **Break**
- 10:45 **Surgical Applicable Scaffold for White Matter Anatomy: An Anatomic Substrate for Surgical Corridors and Access**
- 11:30 **Principles of Access and Cannulation:** Gustavo Pradilla, MD
- 12:00 pm **Lunch**
- 12:30 **Simulation:**
- a. Real-Time Volumetric 3D Simulation and Integrated Trajectory Planning and Navigation
 - b. Segmentation/Scaffolding White Matter Anatomy
- 1:00 **Lab 1: Hands-On Volumetric Software White Matter Planning**
- 2:30 **Lab 2: Skills Lab:**
- a. Access/Cannulation
 - b. Optics
 - c. Automated Global Position Systems
 - d. Automated Resection Techniques
- 4:30 **Regenerative Medicine and Tissue Harvest Preservation – Primer on Existing Pharmacotherapy and Progenitor/Stem Cell Therapy**
- 5:15 **End of Day 1** – Shuttle Departs to The Marriott Hotel
- 6:45 Shuttle Departs from The Marriott Hotel to Dinner (Meet in Hotel Lobby)
- 7:00–10:30 **Course Dinner** – Wisconsin Club, 900 W. Wisconsin Avenue

Saturday, April 18

- 7:15 am Shuttle Departs from The Marriott Hotel
- 7:30 **Breakfast**
- 8:00 **White Matter Anatomic Review**
- 9:00 **Intracerebral Hemorrhage and the Role of Surgical Management: MiSPACE Trial**
- 10:00 **Surgical Biometrics: Principles of Value Added Analysis & Hospital Efficiency/Patient Flow:** Bruce Radcliff, MBA
- 11:00 **Outcomes/Complications/First Case Selection Matrix:**
Mohamed Labib, MDCM, FRCS(c)
- 12:00 pm **Lunch**
- 12:30 **Anesthesia for Awake Craniotomies:** John C. Wlodarski, MD
- 1:30 **Parafascicular Surgery Experience:** Ronald L. Young II, MD
- 2:30 **Lab 3: Hands on Advanced Volumetric White Matter Planning and Simulation**
- 4:00 **Course Adjourns** – Shuttle Departs to The Marriott Hotel

Hotel Reservations

A block of rooms has been reserved at:

Milwaukee Marriott Downtown

323 E. Wisconsin Avenue • Milwaukee, WI 53202

Call 877-224-1990 and mention the "6 Pillar Course" (AEA) to get a special rate of \$145 per night, plus taxes. Cutoff date to get the special rate is March 25, 2015. Transportation will be provided each day from the Marriott Hotel to the course. Hotel rooms include complimentary internet.

Send completed enrollment form to: **Academic Event Management**

ONLINE

www.academiceventmanagement.com

FAX 805.494.1103

PHONE 805.300.9154

MAIL

1396 Rancho Lane

Thousand Oaks, CA 91362



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Local Airport:

General Mitchell International Airport
(MKE)

Refunds

No refunds will be given if a registration is cancelled. However, tuition can be rolled over to the next course. Academic Event Management reserves the right to cancel, discontinue or reschedule this program at any time and will assume no financial obligation to the registrants in the event of a cancellation. In case of cancellation, registration fees will be refunded in full.

April 17-18, 2015

Space is limited! Please print clearly.

Tuition: \$99 • Attire: Business Casual

SPECIALTY

DEGREE

HOSPITAL AFFILIATION

NAME (FIRST, MIDDLE, LAST)

ADDRESS

CITY

PROVINCE/STATE

POSTAL/ZIP CODE

(AREA CODE) BUSINESS PHONE

(AREA CODE) BUSINESS FAX

EMAIL

DIETARY RESTRICTIONS

PAYMENT

☐ Check enclosed payable to: Academic Event Management

☐ Visa

☐ MasterCard

☐ Discover

☐ American Express

CARD NUMBER

EXPIRATION

SIGNATURE

In accordance with the Americans with Disabilities Act, Academic Event Management seeks to make sure this conference is accessible to all. If you have a disability that might require special accommodations, please contact Pat Fitzwater at 805-300-9154.