



The 6 Pillar Approach

for Comprehensive Management of Subcortical Lesions

November 13-14, 2015

SAVE THE DATE

**Little Rock,
Arkansas**

Course Directors

Amin B. Kassam, MD, FRCS(c)
Chairman, Dept. of Neurosurgery
Aurora Medical Group
VP of Neurosciences
Medical Director, Neurosurgery
Aurora St. Luke's Medical Center
Milwaukee, Wisconsin

J.D. Day, MD, FAANS
Professor and Chair
Department of Neurosurgery
University of Arkansas for Medical
Sciences
Little Rock, Arkansas

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.

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



For more information contact Pat Fitzwater at pat@academiceventmanagement.com • 805.300.9154

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.

Agenda

Friday, November 13, 2015

7:00 am-7:15 am	Registration and Breakfast
7:15 am-7:30 am	Welcome
7:30 am-9:00 am	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 am-10:30 am	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 am-10:45 am	Break
10:45 am-11:30 am	Surgical Applicable Scaffold for White Matter Anatomy: An Anatomic Substrate for Surgical Corridors and Access
11:30 am-12:00 pm	Principles of Access and Cannulation
12:00 pm-12:30 pm	Lunch
12:30 pm-1:00 pm	Simulation:
	a. Real-Time Volumetric 3D Simulation and Integrated Trajectory Planning and Navigation
	b. Segmentation/Scaffolding White Matter Anatomy

1:00 pm-2:30 pm	Lab 1: Hands-On Volumetric Software White Matter Planning
2:30 pm-4:30 pm	Lab 2: Skills Lab:
	a. Access/Cannulation
	b. Optics
	c. Automated Global Position Systems
	d. Automated Resection Techniques
4:30 pm-5:15 pm	Regenerative Medicine and Tissue Harvest Preservation – Primer on Existing Pharmacotherapy and Progenitor/Stem Cell Therapy
5:15 pm	End of Day 1
7:00 pm-10:30 pm	Course Dinner
Saturday, November 14, 2015	
7:30 am	Breakfast
8:00 am	White Matter Anatomic Review
9:00 am	Intracerebral Hemorrhage and the Role of Surgical Management: MiSPACE Trial
10:00 am	Surgical Biometrics: Principles of Value Added Analysis & Hospital Efficiency/Patient Flow
11:00 am	Outcomes/Complications/First Case Selection Matrix
12:00 pm	Lunch
12:30	Anesthesia for Awake Craniotomies
1:30	Parafascicular Surgery Experience
2:30	Lab 3: Hands on Advanced Volumetric White Matter Planning and Simulation
4:00	Course Adjourns