



## Bass Symposium in Neurosurgical Innovations: Topics in Pediatric Neurosurgery

Friday, March 4, 2022 - Saturday, March 5, 2022

**UTSouthwestern**  
O'Donnell Brain Institute

### PURPOSE AND CONTENT

In a time of constant and ever-growing attempts to tailor specific treatments for individual patients, pediatric neurosurgery represents a frontier field. Research in molecular biology and genetics has been shedding new light on the pathophysiological mechanisms at the basis of pediatric neurosurgical diseases. Such novel comprehension can prospectively lead to better risk stratification and intervention choices in situations where not only the kind of disease, but also the phase of growth of the individual child has to be taken into consideration. Knowing what to do and when to do it in cases of pediatric oncological, dysmorphogenetic, and hydrocephalic pathologies is our challenge; anticipating long-term neuropsychological outcomes in terms of global functionality is our ideal purpose.

### EDUCATIONAL OBJECTIVES

At the conclusion of this CME activity, participants will be able to:

- Describe the major advances made in genomic approaches and neuroimaging techniques, as well as advanced surgical options to better diagnose, evaluate, and manage epilepsy in children.
- Evaluate the advantages and disadvantages of using three-dimensional technology in pediatric craniofacial surgery.
- Interpret the risks and benefits of using stereotactic radiotherapy's targeted and precise dosing delivery for treating pediatric brain tumors.
- Discuss the unique manifestations of pediatric cerebrovascular disorders and recent advances to utilize for early detection and treatment.
- Assess the benefits and discuss the use of non-invasive prenatal risk tools for monitoring prenatal and early postnatal human brain development.
- Define innovations in gene therapy that significantly impact effective treatment of pediatric brain disorders.
- Explain the benefits of incorporating innovative problem solving and design thinking for healthcare teams as they seek to improve patient care and overall organization.

### TARGET AUDIENCE

The 2022 Bass Neurosurgery Symposium will provide pediatricians, neurosurgeons, nurses and healthcare teams an update on clinical and research advancements, particularly noting current and emerging state-of-the-art innovations related to pediatric neurosurgery. After attending this Symposium, we expect that all participants will have enhanced knowledge regarding these innovations to meet the challenges faced in pediatric neurosurgery today, and be able to apply this knowledge to their clinical practice.

### EDUCATIONAL METHODS

Didactic lectures, presentation slides, panel discussions, question & answer sessions.

### PRESENTATIONS

Final presentations will be posted on the course webpage/registration site in 1-2 weeks. An email will be sent to attendees with a link to access the presentations.

## DISCLOSURE OF COMMERCIAL INTEREST

It is the policy of the CME Office at The University of Texas Southwestern Medical Center to ensure balance, independence, objectivity, and scientific rigor in all directly sponsored or jointly provided educational activities. In accordance with the Accreditation Council for Continuing Medical Education (ACCME) Standards for Integrity and independence in Accredited Continuing Education, all persons in the position to control the content of an education activity are required to disclose all financial relationships in any amount occurring within the past 24 months with any ineligible company (any entity whose primary business is producing, marketing, re-selling, or distributing health care goods or services consumed by, or used on patients). UT Southwestern also considers ineligible those companies producing, marketing, selling, re-selling, or distributing healthcare products in development for future use on patients, such as healthcare product research companies. All reported financial relationships with ineligible companies are reviewed for relevancy and then mitigated through a content review process prior to the activity (where applicable).

## FACULTY AND PLANNER DISCLOSURES

The following is a listing of all individuals that contributed to the educational content of this activity and any reported financial relationships within the last 24 months (**all persons in control of content not itemized below reported no relevant financial relationships**):

Name	Role in Program	Financial Relationship Disclosed
Berge Minassian	Speaker	Intellectual Property: Taysha Gene Therapies
Babu Welch	Course Director	Financial Support: Balt USA; Medtronic; Stryker; Peter Lazic, Inc (Proctor)
Linda Cyr	Speaker	
Lina Chalak	Speaker	None
Rafael De Oliveira Sillero	Speaker	None
Alex Kane	Speaker	None
Kiran Kumar	Speaker	None
Angela Price	Speaker	None
Deepa Sirsi	Speaker	None
Dale Swift	Speaker	None
Bradley Weprin	Course Director	None
Brett Whittemore	Speaker	None
Joyce Borgfeld	Nurse Planner	None
Kelsey Smith Solis	CME Planner	None
Mark Vinciguerra	CME Planner	None

## **ACKNOWLEDGMENTS**

### **Exhibits**

The University of Texas Southwestern Medical Center gratefully acknowledges the exhibitors from the following companies in support of this CME activity:

Integra  
LivaNova  
Raumedic



## Symposium Agenda – Saturday, March 5, 2022 UTSW T. Boone Pickens Auditorium

8:00-8:30am	Registration, Breakfast and Exhibits
8:20-8:30am	Welcome and Introductions
8:30-9:15am	Stopping Your Child's Seizures: It Requires A Brain Team Dr. Angela Price, Dr. Deepa Sirsi
9:15-10:00am	Engineering a New Brain: Yeah, We Went There! Dr. Berge Minassian
10:00-10:15am	Break and Exhibits
10:15-11:00am	Making Radiotherapy for Children's Brain Tumors Safer and Better Dr. Kiran Kumar, Dr. Bradley Weprin
11:00-11:45am	Kids Have Strokes Too: Creative Ways to Make Life Better Dr. Rafael Sillero
11:45am-12:45pm	Lunch and Exhibits
12:45-1:30pm	Saving the Brain Begins in the Womb Dr. Lina Chalak, Dr. Brett Whittemore
1:30-2:15pm	Cranial Modeling and the Augmented Reality in the Art of Craniofacial Reconstruction Dr. Dale Swift, Dr. Alex Kane
2:15pm	Closing Remarks/Adjourn