



Bass Symposium on Neurosurgical Innovation: Topics in Pediatric Neurosurgery Friday, March 3, 2023 - Saturday, March 4, 2023

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 2023 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, 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

Go to the conference/registration site: <https://cme.utsouthwestern.edu/rp2302a>
Then click on "PROGRAM" tab to access CME Handout and Presentation Slides

ACCREDITATION

Physicians (CME)

Accreditation Statement

The University of Texas Southwestern Medical Center is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

Credit Designation

The University of Texas Southwestern Medical Center designates this live educational activity for a maximum of 4.5 *AMA PRA Category 1 Credit(s)*[™]. Physicians should only claim credit commensurate with the extent of their participation in the activity.

Nurses (Nursing CPD)

Accreditation Statement

UT Southwestern Medical Center is accredited as a provider of nursing continuing professional development by the American Nurses Credentialing Center's Commission of Accreditation.

This activity has been awarded 4.5 contact hours.

EVALUATIONS AND CERTIFICATES

Physicians (CME)

Physician attendees will receive an email next week from the Office of Continuing Education with instructions for completing the course evaluation, claiming credit, and accessing your certification.

Nurses (Nursing CPD)

Requirements for successful completion:

- Sign In
- Attendance at entire activity
- Completion and submission of evaluation

Evaluation/Certificate:

For Live NCPD activities you will have 30 days to complete the evaluation and obtain your Certificate of Completion

Learning Outcome:

After participating in this activity, 75% of the learners who complete the evaluation will self-report an increase in knowledge and intent to change practice based on the topic presented

ACKNOWLEDGMENTS

Exhibits

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

Aesculap

Integra LifeSciences

Medtronic

Raumedic

Stryker Neurovascular

Attendees may access additional information about our symposium exhibitors by going to symposium site, <https://cme.utsouthwestern.edu/rp2302a> and then clicking on “EXHIBITORS” tab.

COURSE DIRECTORS

Bradley E. Weprin, M.D.

*Professor, Division of Pediatric Neurosurgery, Department of Neurological Surgery
UT Southwestern Medical Center
Director, Pediatric Neurosurgery and Director of Neuro-Oncology
Children's Health*

Babu G. Welch, M.D.

*Duke Samson Chair of Neurological Surgery
Director of the UT Southwestern Microvascular Laboratory
UT Southwestern Medical Center*

GUEST FACULTY

Linda A. Cyr, Ph.D.

*Co-Director, Master in Health Care Management Program
Lecturer on Health Management
Harvard T. H. Chan School of Public Health
Boston, Massachusetts*

UT SOUTHWESTERN SPEAKERS

Lina Chalak, M.D.

*Interim Chief, Division of Neonatal-perinatal Medicine
Professor, Departments of Pediatrics and Psychiatry*

Alex Kane, M.D.

*Division Director of Pediatric and Craniofacial Surgery at Children's Health
Distinguished Professor of Plastic Surgery, Department of Plastic Surgery*

Kiran Kumar, M.D.

Assistant Professor and Chief of Lymphoma and Pediatrics Radiation Oncology Services

Berge Minassian, M.D.

*Division Chief, Pediatric Neurology
Professor, Departments of Pediatrics and Neurology*

Angela Price, M.D.

Clinical Associate Professor, Division of Pediatric Neurosurgery

Deepa Sirsi, M.D.

Associate Professor, Departments of Pediatrics and Neurology

Rafael Sillero, M.D.

Assistant Professor, Department of Neurological Surgery

Dale Swift, M.D.

Professor, Division of Pediatric Neurosurgery, Department of Neurological Surgery

Brett Whittemore, M.D.

Assistant Professor, Division of Pediatric Neurosurgery, Department of Neurological Surgery

DISCLOSURE OF FINANCIAL RELATIONSHIPS WITH INELIGIBLE COMPANIES

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	Professional Services: Alexion Pharmaceuticals (Innovative Problem Solving)
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 Peer Reviewer	None
Brett Whittemore	Speaker	None
Kerry Copeland	Nurse Planner	None
Mark Vinciguerra	CME Planner	None



Bass Symposium on Neurosurgical

Innovation: Topics in Pediatric Neurosurgery

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Friday, March 3, 2023

Bass Symposium Reception, Dinner and Keynote Address

UTSW Campus, ND Building –14th Floor Dining

- 6:30pm Cocktail Reception and Dinner
- Keynote Address – Linda A. Cyr, Ph.D.
- 9:00pm Adjourn

Saturday, March 4, 2023

Bass Symposium of Speakers and Panel Discussion

UTSW T. Boone Pickens Auditorium (NG3.112)

- 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