



## Neuro-Oncology Symposium 2022: Enabling Technologies for Brain Tumor Care

**5/21/2022**

This activity was created to address the professional practice gaps listed below:

- Describing the most common clinical features associated with a brain tumor diagnosis.
- Implementing treatment options currently available locally and nationally in the treatment of brain tumors.
- Identifying rehabilitation facilities that are a very important part of symptom management and recovery following treatment for brain tumors.

### 1. Please respond regarding how much you agree or disagree that the gaps listed above were addressed.

	Disagree		Agree	
Participating in this educational activity changed your KNOWLEDGE in the professional practice gaps listed above. [45-3.78]	(0)	(0)	(10) 22.22%	(35) 77.78%
Participating in this educational activity changed your COMPETENCE in the professional practice gaps listed above. [45-3.71]	(0)	(0)	(13) 28.89%	(32) 71.11%
Do you feel participating in this educational activity will change your PERFORMANCE in the professional practice gaps listed above? [45-3.69]	(0)	(0)	(14) 31.11%	(31) 68.89%

### 2. Please elaborate on your previous answers. (19)

good presentations

Since I am an undergraduate Neuroscience major, participating in professional development meetings influences my perspective on my future career path.

Na

The meeting gave a better global view of the treatment for brain tumors. I particularly enjoyed Dr. Williams presentation and the video of the surgery. It was very didactic and helped me better understand the surgical approach.

educational and engaging presentations

Better understanding of what my referring physicians need.

The videos of the specific surgeries were very impressive.

n/a

Learned new info about new procedures and new equipment

Fascinated with Dr. Mistry's talk about the DNA analysis to further diagnose tumors.  
 Improves understanding of value for rehabilitation as a symptom management tool, not only a toll to improve function.  
 There were many updates presented and were really useful  
 I now have a better understanding of the current and potential options for care in pts that are dealing with new concerns of a brain tumor in the internal med/primary care setting...  
 excellent speaker on treatment modalities  
 I have increased knowledge as a Certified Brain Injury Specialist of available treatment options for brain tumors at present.  
 aware of local options to suggest pts tend to think out of state tx on issues such as brain tumors.  
 I have more knowledge of the treatment of brain tumors as a Certified Brain Injury Specialist.  
 I am not currently working in Neurology, but this information is helpful in expanding my knowledge.

**3. Please evaluate the effectiveness of the following speakers in improving your knowledge, competence and/or performance. (Poor = 1, Excellent = 4)**

	Poor	Fair	Good	Excellent
Alexandra Schaber, APRN [43-3.81]	(0)	(0)	(8) 18.60%	(35) 81.40%
Megan Nelson, MD [43-3.79]	(0)	(0)	(9) 20.93%	(34) 79.07%
Michael J. Link, MD [42-3.79]	(0)	(0)	(9) 21.43%	(33) 78.57%
Akshithkumar Mistry, MD [42-3.71]	(0)	(0)	(12) 28.57%	(30) 71.43%
Norberto Andaluz, MD [40-3.73]	(0)	(0)	(11) 27.50%	(29) 72.50%

**4. Please elaborate on your previous answers. (19)**

very good speakers

Each speaker was very passionate about the knowledge they were providing to us. I don't think there is anyone who is perfect at public speaking but everyone did a fantastic job.

Na

Easy to follow, good and relevant information.

n/A

All gave excellent very clear presentations.

I enjoyed the information from all of the providers, but the 24 hour referral program impressed me the most.

Really enjoyed Dr. Nelson's presentation about progress in helping patients with neurological deficits to move

as above. Allie did her usual spectacular job speaking about telemedicine and the 24 hr tumor referrals

All presentations were interesting and informative.

All the speakers were incredibly well prepared and dynamic

Was interesting to even non-neuro practitioners and not intimidating  
enjoyed all speakers

All of the physicians/APRN had very informative presentations. Allie Schaber's presentation of Enabling Technologies for Brain Tumor Care was very informative. Obtaining information about the 24 hour Tumor Referral Process was great! Sounds like a wonderful way of educating and giving compassionate care to the patients! Both Dr. Williams and Dr. Link provided great presentations that increased my knowledge. Their use of videos gave me a better understanding of what was being explained!

Presenters made content understandable for all areas of practice. I can tell the passion they have for what they do in their talk about their specific topics.

Allie Schaber, APRN is a passionate provider for this population of patients which was very evident during her informative presentation. Dr. Brian Williams' and Dr. Michael Link's presentations were also very informative, and the videos helped provide a more in depth understanding of the topics being discussed.

All of the speakers were great at presenting the information and answering questions.

**5. Please identify a change that you will implement into practice as a result of attending this educational activity (new protocols, different medications, etc.) (32)**

more understanding

I personally enjoyed the presentation given by Dr. Brian Williams on minimally invasive surgical technologies. When I finally have my practice I intend on using endoscopic practices on larger scale tumors.

Na

Increased knowledge of what my patients who are undergoing treatment for brain tumors are going through, and why.

I do Facial nerve mapping with IONM. I don't use the criteria that Dr. Michael Link used, but I think it is something I need to implement.

As a future pcp aprn, I will refer brain tumor pts to 24 hr referral system at uofl.

Well, some protocols to be adopted.

Early referral to PM&R to promote improved outcomes of functional recovery following brain tumor intervention

Promote more amenable MRI scheduling.

I plan to give the 24 hour referral information to my PCP>

n/a

I think we're already doing a pretty good job

Become familiar with process of obtaining heme genomic sampling

More acutely aware of the signs and symptoms of brain tumor care from a rehabilitation standpoint

New medications

Acoustic neuroma approach

Better understanding of referring physician needs

Maybe allowing more interaction of medicine students

I am a Research Coordinator who gained a better understanding of procedures and practice from attending this symposium.

Educate on more local consultations with pts and families.

Patient counseling

use of MRI assisted surgery

I have increased knowledge as a Certified Brain Injury Specialist and Certified Rehabilitation Nurse to share a bit about the latest innovations in diagnosing and treating brain tumors.

Promote local consult quicker....

As a CBIS and CRRN, I feel I can share a bit about the latest technologies and services being offered to a patient concerned about a possible brain tumor diagnosis.

Telemedicine in practice

I work in pain management, therefore there will be no immediate practice changes.

Earlier PM&R consultation for cancer rehabilitation

Earlier PM&R consultation for the cancer patient population

## **6. How certain are you that you will implement this change?**

(39)

Certain <sup>(21-</sup>  
53.85%)

N/A <sup>(6-</sup>  
15.38%)

Very Certain <sup>(8-</sup>  
20.51%)

Maybe <sup>(4-</sup>  
10.26%)

## **7. What topics do you want to hear more about, and what issues(s) in your practice will they address? (24)**

cerebrovascular

One of the biggest issue that I have been interested in is how we as physicians can provide patients with better access to healthcare.

As an Ophthalmologist, the issues I'd like to hear more about are likely not of tremendous interest to the majority of attendees.

Use of intraoperative electrophysiological neuromonitoring in cranial brain surgeries  
advancement of treatment options in neurooncology

More on surgical techniques and what items make the surgeon choose one over another.

none

n/a

IONM aspects in brain procedures

GBM - population most affected, treatment outcomes and future of treatment

The neurological/physiological ramifications of altered gut microbiome

Surgical approaches and newest findings

New treatments and what algorithm is used to choose one treatment vs another.

Neuronavigation and tractography for complex tumors

meningioma's

Patient education on how to get non-medical therapy (psycho therapy, support groups)  
technologies

Anything related to the latest research, technology, and treatment of Brain Injuries and Neurological Diseases.

meningiomas

Anything related to research, diagnostics, and treatments for brain injuries or neurological disorders.

managing pain in post op patients

migraines

migraines

**8. Were the patient recommendations based on acceptable practices in medicine?**

(39)

Yes (39-  
100.00%)

**9. If you answered No on the question above, please explain which recommendation(s) were not based on acceptable practices in medicine? (1)**

n/a

**10. Do you think the presentation was without commercial bias?**

(40)

Yes (38-  
95.00%)

No (2-  
5.00%)

**11. If you answered No on the above question, please list the topics that were biased? (2)**

I believe that every decision that people make has some bias to it. All people are raised in different backgrounds and that affects the way we think about things. So although we as professionals try not to make biased opinions it is only natural to have such feelings.

n/a

**12. Please provide any additional comments you may have about this educational activity. (17)**

more topics

It was a great experience and I would definitely attend any other meetings related to neurosurgery or other such related events.

The meeting was very well organized and easy to follow. Congratulations to the speakers and the group that put it together. Sound v=was a little bit low but still OK. Maybe for future meetings, top volume could be increased by 25%.

n/a

Keep it up. Great event for learning purposes.

Great conference. Looking forward to the next one.

Thanks for the seminar, I will likely attend again next year.

Thank you!

Thank you for excellent presentations!

I appreciated the fact that technological advancements were carefully scrutinized for value and impact

Great conference. Looking forward to the next one.

Thank you! Nicely done. Appreciate the options for live or virtual attendance if needed.

Great!

One of the best Symposiums I have attended. The use of pictures and videos included in the presentations provided me with a better understanding since I am not a physician.

Thank you for giving two viewing options of live or virtual at no charge.

Great Symposium! The visual aids really helped me to have an increased understanding of the topics being discussed.

thank you

As one of the participants of this educational activity, we want to encourage you to implement those ideas that were appropriate to your healthcare environment.

This evaluation is confidential and no individual will be identified by this office (Continuing Medical Education and Professional Development). It will only be used for quality improvement.

Names or contact information of learners will not be shared with any ineligible company or its agents without the explicit consent of the individual learner.

We look forward to seeing you at future University of Louisville events. Thank you very much.