



**NATIONAL  
PHYSICIAN  
EDUCATION SERIES**

## Minimally Invasive Parafascicular Surgery (MIPS) *A Deficit-Sparing Approach*

### Virtual MIPS Education Course

*LIVE Online Session*

Tuesday, January 17<sup>th</sup>, 2023

6:00pm - 8:30pm (EST)

## COURSE OVERVIEW

Managing subcortical abnormalities has historically posed a difficult challenge for neurosurgeons, as minimally disruptive access has been limited. However, modern advancements in neurosurgical technology and refined surgical techniques over the past decade now allow for more surgically appropriate intervention, an increase in surgical efficiencies, and consistency in improved clinical outcomes as compared to historical measures. This course describes, through evidence-based medicine and personal surgeon experience, how MIPS impacts both patients and physicians.



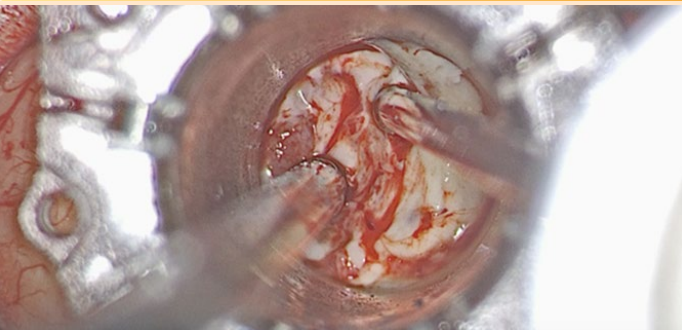
### *Meta-Analysis on MIPS Data Suggests<sup>1</sup>*

- ☑ MIPS technologies reduce parenchymal injury as compared to traditional retraction
- ☑ Lower surgical morbidity and post-operative complications as compared to traditional retraction
- ☑ Consistency in clinical outcomes for tumor resection across studies
- ☑ An economic impact through shorter hospital stays, as noted in several studies

Peer-to-peer education is key, as neurosurgeons with extensive MIPS experience share why and how they changed their practice. New technologies will be introduced, with an emphasis on procedural efficiencies such as navigable trans-sulcal access, automated resection with reduced need for instrument exchange, and automated tissue collection with biological preservation. An evidence-based overview of disease state applications and published clinical outcome will follow. Finally, tips on how to shorten the learning curve to MIPS will be discussed ahead of an open Q&A session.

Following the online presentations of this MIPS education, a hands-on technique experience will be conducted at your institution to assist you in the implementation of MIPS to your practice.

<sup>1</sup>Mansour et al, <https://dx.doi.org/10.1016/j.wneu.2019.08.218>



## Register Here!

NO COST TO ATTEND

Click or Scan

Questions?

[medical\\_education@NICOneuro.com](mailto:medical_education@NICOneuro.com)





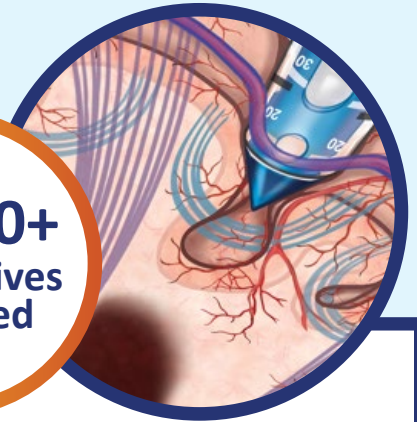
## ADVANCING EDUCATION

**1,000+**  
Physicians  
Trained

**250+**  
MIPS  
Institutions

**100+**  
Publications  
& Abstracts

**30,000+**  
Patient Lives  
Impacted



### Virtual Physician Presentations: Part I

- Review principles of efficient and effective minimally disruptive techniques based on enhanced respect for fascicular anatomy and common corridors
- Build awareness on increasing evidence for MIPS in various applications including:
  - *Primary and Secondary Tumor*
  - *Biopsy*
  - *Intracerebral Hemorrhage*
  - *Automated Tissue Collection & Preservation*
- Gauge the potential clinical and economic impact for you, your patients, and your institution

### Hands-on Skills Lab: Part II

*(For Completion after Part I)*

- Increase familiarity with technologies utilized in MIPS and the OR set-up
- Evaluate OR efficiencies related to MIPS from an expert technology provider team
- Enhance understanding of how to address key challenges associated with subcortical surgical intervention such as:
  - Controlling hemostasis
  - Uniform delivery of light & tissue differentiation
  - Bi-manual, microsurgical techniques through a narrow corridor

### Welcome & Speaker Introduction

#### Introduction to MIPS

*Challenges of Subcortical Surgery*  
*An Integrated Systems Approach*

#### Fascicular Anatomy Review

*Common Corridors*  
*Why Transsulcal & Parafascicular*  
*DTI and DWI Pre-Surgical Planning*  
*Major White Matter Tract Considerations*

#### Expanding Evidence & Clinical Experience

*Surgical Intervention for ICH Removal*  
*Primary & Secondary Tumor Resection*  
*Brain Biopsy*  
*Automated Tissue Collection & Preservation*

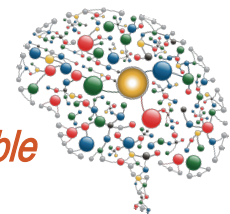
#### Economic Impact of MIPS

#### Patient Selection & Technical Case Review

#### Next Steps for Implementing MIPS

#### Virtual Session Conclusion

**Attendance**  
**Certificates Available**



Questions? Contact [medical\\_education@NICOneuro.com](mailto:medical_education@NICOneuro.com)

*Considering your first  
MIPS case?*

**Click to Submit a Case**

*LIVE Course Case Review*

*Is MIPS right for  
your practice?*