

## CESAR AUGUSTO SERRANO ALMEIDA, MD. FRCSC. FAANS

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**Name:** Cesar Augusto Serrano Almeida.  
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**Email:** cesar.serranoalmeida@beaumont.org  
**Title:** Pediatric Neurosurgeon  
Director Epilepsy Surgery  
**Department:** Department of Neurosurgery  
**Institution:** Beaumont Royal Oak Hospital

### EDUCATION:

#### *Undergraduate -*

**July / 1990** **Physician and Surgeon**  
Universidad Industrial de Santander.  
**1990** **Internship**  
Hospital Militar Central, Bogotá, Colombia.

#### *Postgraduate -*

**June / 2021** **Epilepsy Surgery Fellowship**  
University of Calgary  
**June / 2013** **Pediatric Neurosurgery Fellowship**  
University of Colorado  
**June / 2012** **Pediatric Neurosurgery Fellowship**  
University of Calgary, AB, Canada.  
**June / 2011** **Specialist in Neurosurgery**  
University of Calgary, AB, Canada.

**1997**

**Specialist in Neurosurgery**

Universidad Militar Nueva Granada, Bogotá, Colombia.

**LICENSURE AND CERTIFICATION:**

Aug / 2021	State of Michigan Physician License No 4301504670
July / 2020	College of Physicians and Surgeons of Alberta General Register No 018882
Dec / 2016	American Board of Pediatric Neurological Surgery
July / 2013 - Current	West Virginia Board of Medicine <i>License No. 25404</i>
July / 2012	State of Colorado <i>Physician Training License No. 4299</i>
May / 2012	ECFMG Certificate <i>No. 0-455-060-4</i>
June / 2012	USMLE Step 3 <i>(USMLE ID No. 0-455-060-4)</i>
June / 2011	FRCSC Neurosurgery
July / 2011	College of Physicians and Surgeons of Alberta <i>General Register No. 018882</i>
2008	College of Physicians and Surgeons of Alberta <i>Physician Extender Registration No. S11303</i>
2006	LMCC <i>Registration No. 102529</i>
2006	MCCQE II <i>Candidate Code (200320125)</i>
2004	College of Physicians and Surgeon of Alberta <i>Educational License Registration No. E08096</i>

2004	MCCQE I <i>Candidate Code (200320125)</i>
2003	MCCEE <i>Candidate Code (200320125)</i>
2002	Neurosurgeon, Colombian Association of Medical Schools (ASCOFAME) <i>No. 2002-28-1005</i>
1998	National Medical Professional Card, Health Ministry of Colombia <i>No. 1976/92</i>
1997	Specialist in Neurosurgery, Universidad Militar Nueva Granada <i>No. 16579</i>
1994	Physician and Surgeon, Secretaria Distrital de Salud de Bogotá, Colombia. <i>No. 16216</i>
1992	Rural Social Service, Health Ministry of Colombia. <i>No. 001976</i>
1990	Physician and Surgeon, Universidad Industrial de Santander, Acta de grado <i>No. 11.721</i>

#### AWARDS AND DISTINCTIONS:

2019	2019 <u>WVU Medicine</u> , John Michael Moore Trauma Center's Cornerstone Award. <i>Morgantown, WV, USA.</i>
2016	2016 WVU Medicine, John Michael Moore Trauma Center's Cornerstone Award. <i>Morgantown, WV, USA.</i>
2015	2015 WVU Healthcare's Exemplary Outcomes CG-CAHPS Award. <i>Morgantown, WV, USA.</i>
1997	Nominated to Best Resident, Hospital Militar Central.

*Bogotá Colombia.*

- 1990 Distinguished Internship Performance, Hospital Militar Central  
*Bogotá Colombia.*
- 1983 Distinguished Student Award, Universidad Industrial de Santander.  
*Bucaramanga, Colombia.*

## ACADEMIC APPOINTMENTS:

### **University Appointments**

- 2013 **Assistant Professor**  
Department of Neurosurgery West Virginia University  
Morgantown, WV, USA.
- 2001 **Assistant Professor**  
Faculty of OR Nursing FABA - UDES  
Bogota, Colombia.
- 1992 **Assistant Professor**  
Department of Microbiology Universidad Industrial de  
Santander Bucaramanga, Colombia.

### **Hospital Appointments**

- 2021 – Present Pediatric Neurosurgeon  
Director Epilepsy Surgery
- 2013 - 2021 Staff Pediatric Neurosurgeon, WVU Medicine. Morgantown,  
West Virginia.
- 1998-2002 Staff Neurosurgeon Clínica Del Country. Bogotá, Colombia.
- 1997-2002 Staff Neurosurgeon Clínica San Pedro Claver. ISS, Bogotá  
Colombia.
- 1992 Emergency Physician Clinica Santa Teresa, Bucaramanga,  
Colombia.

### EDUCATIONAL ACTIVITIES:

- 1986 Organizing committee of the second. “Encuentro Científico”  
Universidad Industrial de Santander. Bucaramanga, Colombia.
- 1985 Organizing committee of the first “Encuentro Científico” Universidad  
Industrial de Santander, Bucaramanga, Colombia.

### PRESENTATIONS:

- 2021 Pediatric Epilepsy: New and Novel Approaches to Care  
Beaumont Children’s: Laser ablations in pediatric epilepsy  
(Oral presentation. Aug 2021)
- 2021 Pediatric Epilepsy: New and Novel Approaches to Care  
Beaumont Children’s: Deep and neglected: laser ablation of the  
insula  
(Oral presentation. Aug 2021)
- 2021 Annual Western Epilepsy Workshop: Robotic Assisted MRgLITT for  
intractable epilepsy in hypothalamic hamartoma.
- 2020 Military Central Hospital – Neurosurgery Grand Rounds: Epilepsy  
Surgery in Children (Oral presentation. Dec 2020)
- 2020 WVU – Neurosurgery Grand Rounds: Focal Cortical Dysplasia  
(Oral presentation. May 2020)
- 2019 International Symposium of Spine Surgery and Pediatric  
Colombian Association of Neurosurgery: Slit Ventricle Syndrome  
(Oral presentation. August 2019)
- 2019 WVU Neurosurgery Grand Rounds: Shunt Complications.  
(Oral presentation. April 2019)
- 2017 WVU NICU: Hydrocephalus on Neonates.  
(Oral Presentation, January 2017)
- 2016 WVU Neurosurgery Ground Rounds: ETV and Hydrocephalus.  
(Oral Presentation, November 2016)

2016 WVU PICU: Hydrocephalus and Craniosynostosis.  
(Oral Presentation, May 2016)

## MEDICAL TRAINING AND CONTINUING MEDICAL EDUCATION:

### **Continuing Medical Education**

2021	AANS Annual Virtual Meeting
2020	Visualase MRI-Guided Laser Ablation Training Louisville, CO, USA.
2019	73 <sup>rd</sup> Annual Meeting of the American Epilepsy Society. Baltimore, MD, USA.
2019	9 <sup>th</sup> World Congress of Neuroendoscopy Orlando, FL, USA.
2019	47 <sup>th</sup> Annual Meeting of the International Society of Pediatric Neurosurgery (ISPN) Birmingham, UK.
2016	45 <sup>th</sup> Annual Meeting of the AANS/CNS Section of Pediatric Neurological Surgery <i>Orlando, FL, USA</i>
2016	Congress of Neurological Surgeons (CNS) Annual Meeting <i>San Diego, CA, USA.</i>
2015	83 <sup>rd</sup> AANS Annual Scientific Meeting <i>Washington, DC, USA.</i>
2015	69 <sup>th</sup> Annual Meeting of the American Epilepsy Society <i>Philadelphia, PA, USA.</i>
2015	44 <sup>th</sup> Annual Meeting of the AANS/CNS Section of Pediatric Neurological Surgery <i>Seattle, WA, USA.</i>

- 2014 68<sup>th</sup> Annual Meeting of the American Epilepsy Society  
*Seattle, WA, USA.*
- 2014 43<sup>rd</sup> Annual Meeting of the AANS/CNS Section of Pediatric  
Neurological Surgery  
*Amelia Island, Florida, USA.*
- 2013 42<sup>nd</sup> Annual Meeting of the AANS/CNS Section on Pediatric  
Neurological Surgery.  
*Toronto, Canada.*
- 2012 41<sup>st</sup> Annual Meeting of the AANS/CNS Section on Pediatric  
Neurological Surgery.  
*St. Louis, Missouri, USA.*
- 2009 XIV World Congress of Neurological Surgery.  
*Boston, Massachusetts, USA.*
- 2009 17th International Epilepsy Symposium. Cleveland Clinic.  
*Painesville, Ohio, USA.*
- 2009 12th Annual Rocky Mountain Neuroscience Symposium. University  
of Calgary.  
*Calgary, Alberta, Canada.*
- 2009 Chicago Review Course in Neurological Surgery.  
*Chicago, Illinois, USA.*
- 2009 Spine and Peripheral Nerve Anatomy and Surgery Course.  
*University of Calgary. Calgary, Alberta, Canada.*
- 2008 Pediatric Review Course for Residents/ Fellows. American  
Association of Neurological Surgeons.  
*Memphis, Tennessee, USA.*
- 2008 Congress of Neurological Surgeons Annual Meeting.  
*Orlando, Florida, USA.*
- 2008 43rd Annual Congress of the Canadian Neurological Sciences  
Federation.  
*Victoria, British Columbia, Canada.*

- 2008 Teaching the Art of Medicine. University of Calgary.  
*Calgary, Alberta, Canada.*
- 2007 Epileptology: Comprehensive Review and Practical Exercises.  
Cleveland Clinic.  
*Painesville, Ohio, USA.*
- 2007 17th International Epilepsy Symposium. Cleveland Clinic.  
*Painesville, Ohio, USA.*
- 2007 Management of the Neurotrauma Patient. Uniformed Services  
University of Health Sciences.  
*Bethesda, Maryland, USA.*
- 2005 Research Update in Neuroscience for Neurosurgeons. The Society  
of Neurological Surgeons.  
*Woods Hole, Massachusetts, USA.*
- 2000 “Advanced Course of Endoscopic Surgery of the Nose, Paranasal  
Sinus, Orbit, and Skull Base”. Instituto de Rinología y Cirugía  
Endoscopica de Nariz, Senos Paranasales y Base de Craneo.  
*Bogotá, Colombia.*
- 1999 “Course of Neuroendoscopy”. Colombian Society of Neurosurgery.  
*Bogotá, Colombia.*
- 1998 “Update for Orthopedists and Neurosurgeons”. Clinica Palermo,  
*Bogotá, Colombia.*
- 1997 “Course of Epilepsy and Electroencephalography”. Fundación  
Santafé.  
*Bogotá, Colombia.*
- 1997 International in Neurosurgery. Colombian Society of  
Neurosurgery.  
*Cartagena, Colombia.*
- 1996 Colombian Congress of Neurosurgery. Colombian Society of  
Neurosurgery.  
*Manizales, Colombia.*
- 1996 Update in “Epilepsy and Electroencephalography”. Colombian  
League against Epilepsy.  
*Bogotá, Colombia.*



1995 Update in "Occupational Diseases of the Spine". Department of Physical Medicine and Rehabilitation. Hospital Militar Central. *Bogotá, Colombia.*

## **Medical Training**

2008 Measurement in Medical Education.  
*University of Calgary, Alberta, Canada.*

2005 ACLS., Heart and Stroke Foundation of Alberta

2005 ATLS., American College of Surgeons.  
*Calgary, Canada.*

2005 Midas Rex Neuro Training.  
*Calgary, Canada.*

2000 Total Nutritional Therapy, Latin American Federation of Parenteral and Enteral Nutrition.  
*Bogotá, Colombia.*

2000 Current Medical Application of the Cellular and Molecular Biology, Universidad Del Bosque.  
*Bogotá, Colombia.*

1999 Course of Neurosurgical Endoscopy. Colombian Society of Neurosurgery.  
*Bogotá, Colombia.*

1998 AO Course of Spine. AO International.  
*Melgar, Colombia.*

1997 Course of Spinal Cord Stimulation and Intrathecal Administration of Medications.  
*Medtronic Bogotá, Colombia.*

1991- 1992 Rural Social Service, Centro de Salud IPC.  
*Bucaramanga, Colombia.*

## PUBLICATIONS:

Scholl AR, Nasr L, **Serrano C**, Castellani, R. Chordoid Glioma With Dot-Like Immunoreactivity for Synaptophysin. *Cureus* 2021Feb; 13(2): e13537.

Katsevman G, Razzaq B, **Serrano C**. Hypothalamic Cavernomas: Pediatric Case Report with 8.5 – Year Follow-up and Review of the Literature. *World Neurosurg.* 2020 Oct 17; 146:6-13

Cleveland C, Miller A, **Serrano C**, Carr M. Paradoxical Vocal Cord Motion Presaging Bilateral Vocal Cord Paresis in an Infant. *Cureus* 2020 Apr; 12(4): e7853

Cheyuo C, Ueno C, **Serrano C**. A novel technique for repair of large spinal dysraphisms using the sac membrane. *J Plast Reconstr Aesthet Surg.* 2019 Nov; 72 (11): 1856-1871.

Cheyuo C, Singh R, Lucke-Wold B, **Serrano C**. Growing Skull Fracture: Case Report after Rottweiler Bite and Review of the Literature. *J Neurol Neurophysiol* 2018; 9(2): 461

Radwan W, Lucke Wold BP, Mason A, Tarabishy A, **Serrano CA**. Unilateral Frontosphenoid Craniosynostosis: Case Report and a Review of the Literature. *Neurology (EXtronicon).* 2017 Jan; 4(3): 80-83. Epub 2017 Jan 10.

Hankinson TC, Palmeri NO, Williams SA, Torok MR, **Serrano CA**, Foreman NK, Handler MH, Liu AK. Patterns of care for craniopharyngioma: survey of members of the American association of neurological surgeons. *Pediatric Neurosurgery* 2013; 49 (3): 131-6.

Wilkinson CC, Stence NV, **Serrano-Almeida CA**, French BM. Fusion Patterns of major calvarial sutures on pediatric volume-rendered CT reconstructions. The 27th Annual Neurosurgery in the Rockies. Beaver Creek CO, February 2014. (oral)

Wilkinson CC, Stence NV, **Serrano-Almeida CA**, French BM. Clinoccephaly and closure of lateral calvarial sutures on volume-rendered CT reconstructions. International Society of Craniofacial Surgery 15th International Congress. Jackson Hole WY, September 2013. (oral)

Wilkinson CC, Stence NV, **Serrano-Almeida CA**, French BM. Clinoccephaly and closure of lateral calvarial sutures on volume-rendered CT reconstructions. The 26th Annual Neurosurgery in the Rockies. Beaver Creek CO, February 2013. (oral)

Wilkinson CC, Stence NV, **Serrano-Almeida CA**, French BM. Clinocephaly and closure of lateral calvarial sutures on volume-rendered CT reconstructions. This abstract was accepted as an oral presentation at the 2013 Annual Meeting to the American Society of Pediatric Neurosurgeons.

**Serrano CA**, Williams SA, Palmeri NO, Torok MR, Handler MH, Liu AK, Hankinson TC. Patterns of care for craniopharyngioma: Survey of AANS membership. This abstract was accepted as an electronic abstract at the 41<sup>st</sup> Annual Meeting of the AANS/CNS Section on Pediatric Neurological Surgery, St Louis. Missouri. USA, 2012

Hamilton MG, **Serrano-Almeida C**, King M, Partlo L, Hader W. The impact of endoscopic third ventriculostomy on the neuropsychological outcome of patients with obstructive hydrocephalus. The Canadian Journal of Neurological Sciences 2009; 36 (3): S9 Supplement 1.

***This abstract was accepted as a podium presentation at the 44<sup>th</sup> Annual Congress of the Canadian Neurological Sciences Federation. Halifax, Nova Scotia and as electronic abstract at the XIV World Congress of Neurological Surgery. Boston, Massachusetts, USA, 2009***

Pandya S, Motkoski JW, **Serrano-Almeida C**, Greer AD, Latour I, Sutherland GR. Advancing neurosurgery with image-guided robotics. Journal of Neurosurgery; published on line on April 17, 2009.

**Serrano-Almeida C**. Surgical treatment of trigeminal neuralgia. Syllabus of the 12<sup>th</sup> Annual Rocky Mountain Neuroscience Symposium March 6-8, 2009.

Tellez-Zenteno JF, **Serrano Almeida C**, Moien-Afshari F. Gelastic seizures associated with hypothalamic hamartomas. An update in the clinical presentation, diagnosis and treatment. Neuropsychiatric Disease and Treatment 2008; 4(6): 1021-1031.

**Serrano-Almeida CA**, Larsson J, Starreveld YP, Sutherland GR. A haptic training workstation for robotic surgery. The Canadian Journal of Neurological Sciences 2008; 35 (2): S32 Supplement 1.

***This abstract was accepted as a podium presentation at the 43<sup>rd</sup> Annual Congress of the Canadian Neurological Sciences Federation. Victoria, British Columbia, 2008.***

Midha R, **Serrano Almeida C**, MacKay M. Harvesting techniques of cutaneous nerves for cable graft repair, in Wolfla C, Resnick D (Eds): Neurosurgical Operative Atlas: Spine and Peripheral Nerves. New York: Thieme, 2007, Second Edition, Chapter 69, pp 409-415.

Parrent A, **Serrano Almeida C**. Deep brain stimulation and cortical stimulation in the treatment of epilepsy. Review. Advances in Neurology 2006; 97: 563 – 72.