**Alan R. Cohen, M.D, FACS, FAAP, FAANS**

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# **SELECTED LETTERS, COMMENTARY:**

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# **LOCAL AND REGIONAL PRESENTATIONS:**

## (by invitation)

1. **Cohen AR:** The lost art of localization: Franc Ingraham and the origin of pediatric neurosurgery. Boston Society of Neurology and Psychiatry, Boston, Massachusetts, February 2013.

# **NATIONAL AND INTERNATIONAL PRESENTATIONS AND COURSES:**

**(By invitation or peer review)**

1. **Cohen AR**, Young W, Flamm ES: Intraspinal pathways responsible for conduction of the somatosensory evoked potential. American Association of Neurological Surgeons (AANS) Annual Meeting. Boston, Massachusetts, April, 1981.
2. Berenstein A, Ransohoff J, Young W, **Cohen AR**: Somatosensory evoked potential monitoring for ischemia during spinal cord angiography and embolization. AANS Annual Meeting, Honolulu, Hawaii, April, 1982.
3. **Cohen AR**, Cooper PR: Visual outcome following transsphenoidal surgery for pituitary adenomas. AANS Annual Meeting, Atlanta, Georgia, April, 1985.
4. **Cohen AR**, Pietronigro DD, Cravioto H, Flamm ES: Improvement of brain tumor chemotherapy with the combination of oral difluoromethylornithine and intra-arterial BCNU. AANS Annual Meeting, Atlanta, Georgia, April, 1985.
5. **Cohen AR**, Wisoff JH, Allen J, Epstein F: Malignant astrocytomas of the spinal cord. AANS Pediatric Section Annual Meeting, Chicago, Illinois, December, 1987.
6. **Cohen AR**: How selective is selective posterior rhizotomy? AANS Pediatric Section Annual Meeting, Scottsdale, Arizona, December, 1988.
7. **Invited Faculty,** Harvard University Postgraduate Course: Disorders of Brain Development. Selective posterior rhizotomy. Cambridge, Massachusetts, May, 1989.
8. **Invited Course Co-Director:** Selective Posterior Rhizotomy: Its Role in Spasticity Management in Children. Departments of Neurosurgery and Rehabilitation Medicine, New England Medical Center, Boston, Massachusetts, June, 1989.
9. **Invited Faculty,** Critical Care Boards Examination Review Course. Craniocerebral trauma. Boston, Massachusetts, September, 1989.
10. **Cohen AR**: Cloacal exstrophy and occult spinal dysraphism. AANS Pediatric Section Annual Meeting, Washington, D.C., December, 1989.
11. **Invited Speaker**, Breakfast Seminar. The tethered spinal cord. AANS Annual Meeting, Nashville, Tennessee, April, 1990.
12. **Invited Speaker,** Breakfast Seminar. The treatment of spasticity. AANS Annual Meeting, Nashville, Tennessee, April, 1990.
13. **Cohen AR**, Heilman CB: Endoscopic ventricular fenestration using a “saline torch”. AANS Annual Meeting, Nashville, Tennessee, April, 1990.
14. **Invited Faculty,** American Academy of Pediatrics Annual Meeting. Closed head trauma in children. Boston, Massachusetts, October, 1990.
15. **Cohen AR**, Heilman CB: Endoscopic ventricular surgery. AANS Pediatric Section Annual Meeting, San Diego, California, December, 1990.
16. Roth PA, **Cohen AR**: Compensation reversal after shunting for hydrocephalus *(“CRASH”)*. AANS Pediatric Section, San Diego, California, December 1990.
17. **Invited Speaker**, Breakfast Seminar. Open and closed neural tube defects. AANS Annual Meeting, New Orleans, Louisiana, April, 1991.
18. **Invited Speaker**, Luncheon Seminar. Ventricular surgery. Congress of Neurological Surgeons (CNS) Annual Meeting, Orlando, Florida, October, 1991.
19. **Invited Speaker,** Pediatric Section Workshop. Symposium on Selective Posterior Rhizotomy. CNS Annual Meeting, Orlando, Florida, October, 1991.
20. **Invited Faculty,** AANS Pediatric Section Annual Meeting. Introduction to Neuroendoscopy: Diagnostic and Therapeutic Applications Course. Boston, Massachusetts, December, 1991.
21. **Invited Moderator,** Section on Spasticity. AANS Pediatric Section Annual Meeting, Boston, Massachusetts, December, 1991.
22. **Cohen AR**: Neuroendoscopy update. American Society for Pediatric Neurosurgery Annual Meeting, Kona, Hawaii, February, 1992.
23. **Invited Faculty,** Advanced Instructional Course in Laboratory and Clinical Laser Neurosurgery: Neuroendoscopic and Stereotactic Applications. Visiting Professor, Mayfield Neurological Institute, Cincinnati, Ohio, May, 1992.
24. **Honored Guest Speaker**, Indiana State Neurosurgical Society. Advances in endoscopic ventricular surgery. Indianapolis, Indiana, October, 1992.
25. **Invited Moderator**, Section on Hydrocephalus. AANS Pediatric Section Annual Meeting, Vancouver, British Columbia, December, 1992.
26. **Invited Faculty,** Neuroendoscopy Workshop and Symposium. AANS Pediatric Section Annual Meeting, Vancouver, British Columbia, December, 1992.
27. **Invited Faculty,** Neuroendoscopy: Diagnostic and Therapeutic Applications. Barrow Neurological Institute-Phoenix Children’s Hospital, Phoenix, Arizona, February, 1993.
28. **Invited Speaker**, First International Conference in Neurosurgery: Minimally Invasive Neurosurgery. Neuroendoscopy, Barcelona, Spain, March, 1993.
29. **Invited Speaker,** First International Conference in Neurosurgery: Minimally Invasive Neurosurgery. Endoscopic third ventriculostomy, Barcelona, Spain, March, 1993.
30. **Invited Speaker,** First International Conference in Neurosurgery: Minimally Invasive Neurosurgery. Complications in neuroendoscopy, Barcelona, Spain, March, 1993.
31. **Invited Speaker,** First International Conference in Neurosurgery. Complications in neuroendoscopy. Barcelona, Spain, March, 1993.
32. **Invited Faculty,** International Neuroendoscopy Workshop on Minimally Invasive Neurosurgery. Endoscopic ventricular surgery. Barcelona, Spain, March, 1993
33. **Invited Course Director,** AANS Practical Course on Minimally Invasive Neurosurgery. Intracranial Endoscopy: indications, techniques, outcome and complications. AANS Annual Meeting, Boston, Massachusetts, April, 1993.
34. **Invited Moderator and Speaker,** Breakfast Seminar, Ventricular endoscopy: indications and limitations. AANS Annual Meeting, Boston, Massachusetts, April, 1993.
35. **Invited Speaker,** German Congress of Neurological Surgeons. Endoscopic third ventriculostomy, Marburg, Germany, May, 1993.
36. **Invited Speaker,** German Congress of Neurological Surgeons. Endoscopic management of colloid cysts. Marburg, Germany, May, 1993.
37. **Invited Course Director**, AANS Practical Course on Intracranial Endoscopy: indications, techniques, outcome and complications, Tufts University School of Medicine, Boston, Massachusetts, May, 1993.
38. **Invited Moderator and Speaker,** First International Congress on Minimally Invasive Techniques in Neuroendoscopy Session, Overview of Neuroendoscopy, Wiesbaden, Germany, June, 1993.
39. **Invited Speaker,** First International Congress on Minimally Invasive Techniques in Neurosurgery. Speaker: Keyhole Surgery, Wiesbaden, Germany, June, 1993.
40. **Invited Speaker,** First International Congress on Minimally Invasive Techniques in Neurosurgery. Speaker: Endoscopic third ventriculostomy. Wiesbaden, Germany, June, 1993.
41. **Invited Speaker,** First International Multidisciplinary Congress on Endoscopy. History of neuroendoscopy, Mexico City, Mexico, July, 1993.
42. **Invited Speaker,** First International Multidisciplinary Congress on Endoscopy. Septostomy and cyst fenestration, Mexico City, Mexico, July, 1993.
43. **Invited Speaker,** First International Multidisciplinary Congress on Endoscopy. Third ventriculostomy- how I do it, Mexico City, Mexico, July, 1993.
44. **Invited Speaker,** First International Multidisciplinary Congress on Endoscopy. Colloid cysts. Mexico City, Mexico, July, 1993.
45. **Invited Speaker,** Plenary Session, CNS Annual Meeting. Endoscopic ventricular tumor surgery. Vancouver, British Columbia, October, 1993.
46. **Invited Course Co-Director,** Neuroendoscopy: Applications, Principles, Techniques. CNS Annual Meeting, Vancouver, British Columbia, October, 1993.
47. **Invited Speaker,** World Federation of Neurosurgical Societies. Tenth International Congress of Neurological Surgery. Neuroendoscopy, Acapulco, Mexico, October, 1993.
48. **Invited Speaker,** World Federation of Neurosurgical Societies. Tenth International Congress of Neurological Surgery. How I do it video seminar: Endoscopic intraventricular surgery, Acapulco, Mexico, October, 1993
49. **Invited Speaker,** World Federation of Neurosurgical Societies. Tenth International Congress of Neurological Surgery. Moderator: Skull base session. Acapulco, Mexico, October, 1993.
50. **Invited Faculty,** Neuroendoscopy: Diagnostic and Therapeutic Applications. World Federation of Neurosurgical Societies, Tenth International Congress of Neurological Surgery, Acapulco, Mexico, October, 1993.
51. **Invited Course Director,** AANS Practical Course on Intracranial Endoscopy: indications, techniques, outcome and complications, Tufts University School of Medicine, Boston, Massachusetts, November, 1993
52. **Invited Faculty,** Minimally Invasive Endoscopic Neurosurgery. Philipps University, Marburg, Germany, March, 1994.
53. **Invited Faculty,** Minimally Invasive Neurosurgery: Seminar and Hands-On Workshop, Liverpool, England, March, 1994.
54. **Invited Moderator and Speaker,** Special Course on Neuroendoscopy: Instrumentation and Applications. AANS Annual Meeting, San Diego, California, April, 1994.
55. **Invited Moderator,** Breakfast Seminar. Neuroendoscopy: Indications and Limitations. AANS Annual Meeting, San Diego, California, April, 1994.
56. **Invited Course Director,** AANS Practical Course on Minimally Invasive Neurosurgery. Intracranial Endoscopy: indications, techniques, outcome and complications. AANS Annual Meeting, San Diego, April, 1994.
57. **Invited Faculty,** First Practical Course on Minimally Invasive Techniques in Neurosurgery, A Two City Project: Anterior Circulation Aneurysms. Mainz, Germany and Vienna, Austria, April, 1994.
58. **Invited Course Co-Director,** The First Japanese-American Neuroendoscopy Workshop and Forum. Sendai, Japan, May, 1994.
59. **Invited Speaker,** Sami Forum, Tokai University, Kanagawa City, Japan, May, 1994.
60. **Invited Speaker,** Eighth Annual Meeting of the Women’s Neurosurgical Society of Japan. Endoscopic neurosurgery. Tokyo, Japan, May, 1994.
61. **Invited Guest Speaker,** Rocky Mountain Neurosurgical Society. Surgery of the third ventricle. Aspen, Colorado, June, 1994.
62. **Invited Faculty,** Minimally Invasive Therapy of the Brain, UCLA, Los Angeles, California, August, 1994.
63. **Invited Speaker,** Festschrift for Dr. Joseph Ransohoff. Advances in neuroendoscopy. University of South Florida, Tampa, Florida, September, 1994.
64. **Invited Speaker,** CNS Annual Meeting. Moderator, Cranial Endoscopy Luncheon Seminar. Chicago, Illinois, October, 1994.
65. **Invited Speaker,** CNS Annual Meeting. Faculty, Practical Course in Neuroendoscopy, Chicago, Illinois, October, 1994.
66. **Invited Speaker,** CNS Annual Meeting. Faculty, Practical Course in Ventricular Surgery, Chicago, Illinois, October, 1994.
67. **Invited Speaker,** CNS Annual Meeting. Moderator and Speaker, Ventricular Surgery Video Luncheon Seminar, Chicago, Illinois, October, 1994.
68. **Invited Course Director,** AANS Practical Course on Minimally Invasive Neurosurgery. Intracranial Endoscopy: indications, techniques, outcome and complications, Case Western Reserve University School of Medicine, November, 1994.
69. **Invited Speaker,** Mexican Society of Neurological Surgery. Endoscopic ventricular surgery, University of Monterrey, Monterrey, Mexico, February, 1995.
70. **Invited Speaker,** Mexican Society of Neurological Surgery. Endoscope-assisted craniotomy, University of Monterrey, Monterrey, Mexico, February, 1995.
71. **Invited Speaker,** AANS Annual Meeting. Moderator and Speaker, Breakfast Seminar, Neuroendoscopy: Indications and Limitations, Orlando, Florida, April, 1995.
72. **Invited Speaker,** AANS Annual Meeting. Speaker, Breakfast Seminar, Occult Spinal Dysraphism, Orlando, Florida, April, 1995.
73. **Invited Speaker,** AANS Annual Meeting. Plenary Session Speaker, Ventriculoscopy. Orlando, Florida, April, 1995.
74. **Invited Course Director,** AANS Practical Course on Minimally Invasive Neurosurgery. Intracranial Endoscopy: indications, techniques, outcome and complications. AANS Annual Meeting, Orlando, Florida, April, 1995.
75. **Invited Guest Speaker,** Tenth European Congress of Neurosurgery. Endoscope-assisted craniotomy, Berlin, Germany, May, 1995.
76. **Invited Guest Speaker,** Tenth European Congress of Neurosurgery. Endoscopic third ventriculostomy, Berlin, Germany, May, 1995.
77. **Invited Guest Speaker,** Tenth European Congress of Neurosurgery. Co-Chair, Endoscopy Session. Berlin, Germany, May, 1995.
78. **Invited Speaker,** Neuroendoscopy Symposium. Chair, Hydrocephalus Session, Frankfurt, Germany, May, 1995.
79. **Invited Speaker,** Neuroendoscopy Symposium. Speaker, Endoscope-assisted craniotomy, Frankfurt, Germany, May, 1995.
80. **Invited Speaker,** American Society for Pediatric Neurosurgery Course on Pediatric Neurosurgery. Technical considerations in third ventriculostomy. Park City, Utah, June, 1995.
81. **Invited Moderator and Speaker,** Joint International Congress on Minimally Invasive Techniques in Neurosurgery and Otolaryngology. Speaker, Endoscope-assisted craniotomy. Pittsburgh, Pennsylvania, June, 1995.
82. **Invited Moderator and Speaker,** Joint International Congress on Minimally Invasive Techniques in Neurosurgery and Otolaryngology. Moderator, Application of Endoscopic Techniques in Neurosurgery, Pittsburgh, Pennsylvania, June, 1995.
83. **Invited Moderator and Speaker,** Joint International Congress on Minimally Invasive Techniques in Neurosurgery and Otolaryngology. Moderator, General Scientific Session on Neuroendoscopy, Pittsburgh, Pennsylvania, June, 1995.
84. **Invited Moderator and Speaker,** Joint International Congress on Minimally Invasive Techniques in Neurosurgery and Otolaryngology. Speaker, Applications of ventriculoscopy, Pittsburgh, Pennsylvania, June, 1995.
85. **Invited Speaker,** CNS Annual Meeting. Plenary Session Speaker, Innovations in minimalism, San Francisco, California, October, 1995.
86. **Invited Speaker,** CNS Annual Meeting. Tumor Section Speaker, Surgical approaches to the lateral ventricles, San Francisco, California, October, 1995.
87. **Invited Course Director,** Practical Course on Neuroendoscopy, CNS Annual Meeting,, San Francisco, California, October, 1995.
88. **Invited Speaker,** CNS Annual Meeting. Luncheon Seminar Speaker, Advances in cranial endoscopy. San Francisco, California, October, 1995.
89. Robinson S, **Cohen AR**: Endoscopic third ventriculostomy- indications and limitations. Congress of Neurological Surgeons (CNS) Annual Meeting, San Francisco, California, October, 1995.
90. **Invited Course Director,** AANS Practical Course on Minimally Invasive Neurosurgery. Intracranial Endoscopy: indications, techniques, outcome and complications, Case Western Reserve University School of Medicine, November, 1995.
91. Robinson S, **Cohen AR**: The role of neuroendoscopy in the treatment of pineal region tumors. Poster, AANS Pediatric Section Annual Meeting, Pasadena, California, December, 1995.
92. **Invited Speaker,** Breakfast Seminar. Neuroendoscopy. AANS Pediatric Section Annual Meeting, Pasadena, California, December, 1995.
93. **Invited Moderator and Speaker,** AANS Annual Meeting. Moderator and Speaker, Special Course: Neuroendoscopy- state of the art, Minneapolis, Minnesota, April, 1996.
94. **Moderator and Speaker,** AANS Annual Meeting. Speaker, Practical Clinic on Neuroendoscopy: Removal of ventricular tumors and cysts, Minneapolis, Minnesota, April, 1996.
95. **Moderator and Speaker,** AANS Annual Meeting. Moderator, Breakfast Seminar, Technical Refinements in neurosurgery, Minneapolis, Minnesota, April, 1996.
96. **Moderator and Speaker,** AANS Annual Meeting. Speaker, Breakfast Seminar, Pediatric Brain Tumors, Minneapolis, Minnesota, April, 1996.
97. **Invited Course Director,** Advanced Surgical Concepts in Neuroendoscopy. Sarasota Memorial Hospital, Sarasota, Florida, June, 1996.
98. **Invited Speaker,** Second International Skull Base Congress and Seventh Annual Meeting of the North American Skull Base Society. Special Lecture: Endoscopy and skull base surgery. San Diego, California, July, 1996.
99. **Invited Moderator and Speaker,** CNS Annual Meeting. Luncheon Seminar: Advances in cranial endoscopy. Montreal, Quebec, September, 1996.
100. **Course Director,** AANS Practical Course on Minimally Invasive Neurosurgery. Intracranial Endoscopy: indications, techniques, outcome and complications, Case Western Reserve University School of Medicine, November, 1996.
101. **Cohen AR**: The role of the brain’s coverings in the determination of ventricular size. American Society for Pediatric Neurosurgery Annual Meeting, St. Croix, Virgin Islands, January, 1997
102. **Invited Speaker,** Interurban Neurosurgical Society. Controversies in neuroendoscopy. Chicago, Illinois, March, 1997.
103. **Invited Speaker,** Breakfast Seminar, Decision making in pediatric neuroendoscopy. AANS Annual Meeting, Denver, Colorado, April, 1997.
104. **Invited Speaker,** Third International Congress on Minimally Invasive Neurosurgery. Neuroendoscopy. Paris, France, July, 1997’
105. **Invited Moderator and Speaker,** Eleventh International Congress of Neurological Surgery, World Federation of Neurosurgical Societies. Neuroendoscopy- state of the art. Amsterdam, The Netherlands, July, 1997.
106. **Moderator and Speaker,** Luncheon Seminar: Cranial endoscopy. CNS Annual Meeting, New Orleans, Louisiana, September, 1997.
107. **Invited Speaker,** Luncheon Seminar: Management of pineal region tumors. CNS Annual Meeting, New Orleans, Louisiana, September, 1997.
108. **Cohen AR**: Advances in endoscopic third ventriculostomy. American Academy of Neurological Surgeons Annual Meeting, Banff, Alberta, September, 1997.
109. **Invited Speaker,** Japanese Society of Neuroendoscopy. Advances in minimally invasive neurosurgery. Sendai, Japan, November, 1997.
110. **Invited Course Director,** AANS Practical Course on Minimally Invasive Neurosurgery. Intracranial Endoscopy: indications, techniques, outcome and complications, Case Western Reserve University School of Medicine, November, 1997.
111. Robinson S, **Cohen AR**: Endoscopic third ventriculostomy: patterns of failure. AANS Pediatric Section Annual Meeting, New Orleans, Louisiana, December, 1997.
112. Robinson S, **Cohen AR**: Neurologic manifestations of Cowden disease: further characterization of a new phakomatosis. AANS Pediatric Section Annual Meeting, New Orleans, Louisiana, December, 1997.
113. Dashti S, Cohen ML, **Cohen AR**: The role of radical surgery for intracranial melanotic neuroectodermal tumor of infancy. AANS Pediatric Section Annual Meeting, New Orleans, Louisiana, December, 1997.
114. Kurpad SN, **Cohen AR**: Posterior fossa craniotomy: an effective alternative to craniectomy. AANS Pediatric Section Annual Meeting, New Orleans, Louisiana, December, 1997.
115. Kurpad SN, Goldstein JA, **Cohen AR**: Biodegradable fixation techniques for pediatric craniofacial surgery. AANS Pediatric Section Annual Meeting, New Orleans, Louisiana, December, 1997.
116. Razzaq A, **Cohen AR**: Up-front chemotherapy as the primary treatment modality for hypervascular malignant brain tumors of childhood. AANS Pediatric Section Annual Meeting, New Orleans, Louisiana, December, 1997.
117. Ehirim P, **Cohen AR**: Primary hypothyroidism mimicking a pituitary macroadenoma. AANS Pediatric Section Annual Meeting, New Orleans, Louisiana, December, 1997.
118. **Invited Moderator,** General Scientific Session I. AANS Pediatric Section Annual Meeting. New Orleans, Louisiana, December, 1997.
119. **Cohen AR**, Robinson S: Lhermitte-Duclos disease and Cowden disease: further characterization of a new phakomatosis. American Society for Pediatric Neurosurgery Annual Meeting, Lanai, Hawaii, January, 1998.
120. **Invited Faculty,** Endoscopic Neurosurgery Workshop. Ghent, Belgium, February, 1998.
121. **Cohen AR**, Leifer D, Lewin J, Lust WD: Radiographic and morphologic characterization of a new model of hydrocephalus in transgenic mice. AANS Annual Meeting, Philadelphia, Pennsylvania, April, 1998.
122. Dashti S, **Cohen AR**: Current patterns of inflicted head injury in children, AANS Annual Meeting, Philadelphia, Pennsylvania, April, 1998.
123. **Cohen AR**, Robinson S: Cylindrical balloon catheter: a new instrument for minimally invasive brain retraction, Poster, AANS Annual Meeting, Philadelphia, Pennsylvania, April, 1998.
124. Robinson S, **Cohen AR**: Cerebellar fits in children with the Chiari I malformation. Poster. AANS Annual Meeting, Philadelphia, Pennsylvania, April, 1998.
125. Abdou MS, **Cohen AR**: Endoscopic treatment of colloid cysts of the third ventricle. Poster. AANS Annual Meeting, Philadelphia, Pennsylvania, April, 1998.
126. Abdou MS, **Cohen AR**: A new endoscopic route to the anterior third ventricle: the subfrontal trans- lamina terminalis approach. Poster. AANS Annual Meeting, Philadelphia, Pennsylvania, April, 1998.
127. **Invited Moderator,** Breakfast Seminar: Intracranial Endoscopy. AANS Annual Meeting, Philadelphia, Pennsylvania, April, 1998.
128. **Invited Speaker,** Breakfast Seminar: Third Ventricular Tumors. AANS Annual Meeting, Philadelphia, Pennsylvania, April, 1998.
129. **Invited Moderator and Speaker,** Special Course: Neuroendoscopy: Innovations and Controversies. AANS Annual Meeting, Philadelphia, Pennsylvania, April, 1998.
130. **Invited Speaker,** First International Congress on Endoscope-Assisted Microneurosurgery.

Introductory Lecture: The history of endoscopic third ventriculostomy. Frankfurt, Germany, June, 1998.

1. **Invited Speaker,** First Pan American Neurosurgical Update Course. Endoscopic treatment of hydrocephalus, University of Miami School of Medicine, Miami, Florida, June, 1998.
2. **Invited Speaker,** First Pan American Neurosurgical Update Course. Neuroendoscopy Hands-On Workshop. University of Miami School of Medicine, Miami, Florida, June, 1998.
3. **Honored Guest Speaker and Visiting Professor,** Mexican Society of Neurological Surgery. Neuroendoscopy: state of the art. Mexico City, Mexico, August, 1998.
4. **Invited Speaker,** Luncheon Seminar: Cranial Endoscopy. CNS Annual Meeting, Seattle, Washington, October, 1998.
5. **Invited Speaker,** Plenary Session IV: Through the looking glass- neurosurgical endoscopy. CNS Annual Meeting, Seattle, Washington, October, 1998.
6. **Invited Course Director,** AANS Practical Course on Minimally Invasive Neurosurgery. Intracranial Endoscopy: indications, techniques, outcome and complications, Case Western Reserve University School of Medicine, November, 1998.
7. **Cohen AR**, Robinson S: Neurologic manifestations of Cowden disease: evidence for a new phakomatosis. American Academy of Neurological Surgeons Annual Meeting, Santa Barbara, California, November, 1998.
8. **Cohen AR**: Endoscopic transoral approach to the craniovertebral junction. AANS Pediatric Section Annual Meeting, Indianapolis, Indiana, December, 1998.
9. **Invited Speaker,** Breakfast Seminar: Management of pediatric hydrocephalus. AANS Annual Meeting, New Orleans, Louisiana, April, 1999.
10. **Invited Speaker,** Breakfast Seminar: Third ventricle tumors. AANS Annual Meeting, New Orleans, Louisiana, April, 1999.
11. **Invited Speaker,** Breakfast Seminar: Intracranial endoscopy. AANS Annual Meeting, New Orleans, Louisiana, April, 1999.
12. **Invited Speaker,** Advanced Neuroendoscopy: Lessons from the Experts: Neuroendoscopic management of brain tumors, Chicago, Illinois, May, 1999.
13. **Invited Moderator and Speaker,** Fourth International Congress on Minimally Invasive Neurosurgery. Role of endoscopic third ventriculostomy. Barcelona, Spain, June, 1999.
14. **Invited Speaker,** Second Pan American Neurosurgical Update Course. Principles of neuroendoscopy, University of Miami School of Medicine, Miami, Florida, July, 1999.
15. **Invited Speaker,** Second Pan American Neurosurgical Update Course. Neuroendoscopy Hands-On Workshop. University of Miami School of Medicine, Miami, Florida, July, 1999.
16. **Invited Speaker,** XV Mexican Congress of Neurological Surgeons. Current treatment of pediatric hydrocephalus, Cancun, Mexico, July, 1999.
17. **Invited Speaker,** XV Mexican Congress of Neurological Surgeons. Update on craniosynostosis surgery, Cancun, Mexico, July, 1999.
18. **Invited Speaker,** XV Mexican Congress of Neurological Surgeons. Current management of pediatric head injury, Cancun, Mexico, July, 1999.
19. **Invited Speaker,** XV Mexican Congress of Neurological Surgeons. Principles of neuroendoscopy, Cancun, Mexico, July, 1999
20. **Invited Speaker,** XV Mexican Congress of Neurological Surgeons. Current treatment of brainstem gliomas, Cancun, Mexico, July, 1999.
21. **Invited Speaker,** Neuroendoscopy: state of the art. Ohio State Neurosurgical Society Annual Meeting, Sandusky, Ohio, October, 1999.
22. **Invited Speaker,** Luncheon Seminar: Management of shunt complications. CNS Annual Meeting, Boston, Massachusetts, November, 1999.
23. **Invited Course Director,** AANS Practical Course on Minimally Invasive Neurosurgery. Intracranial Endoscopy: indications, techniques, outcome and complications, Case Western Reserve University School of Medicine, November, 1999.
24. **Invited Speaker, Visiting Professor.** Recent advances in the treatment of brain tumors, Department of Neuroscience, Oberlin College, Oberlin, Ohio, November, 1999.
25. **Invited Moderator,** Scientific Session IV. AANS Pediatric Section Annual Meeting, Atlanta, Georgia, December, 1999.
26. **Cohen AR**: Neuroendoscopy- complication avoidance and management. American Society for Pediatric Neurosurgery Annual Meeting, Kona, Hawaii, February, 2000.
27. **Invited Speaker,** Fifth International Conference on Pediatric Trauma. Management of head trauma, Vail, Colorado, June, 2000.
28. **Invited Speaker,** Fifth International Conference on Pediatric Trauma. Evaluation of cervical spine trauma. Vail, Colorado, June, 2000.
29. **Invited Speaker,** Plenary Session: Advances in minimally invasive neurosurgery, American Academy of Pediatrics Annual Meeting. Chicago, Illinois, October, 2000.
30. **Invited Speaker,** Dialogue: Prevention, diagnosis and treatment of neural tube defects in the 21st century. American Academy of Pediatrics Annual Meeting. Chicago, Illinois, October, 2000.
31. **Invited Course Director,** AANS Practical Course on Minimally Invasive Neurosurgery. Intracranial Endoscopy: indications, techniques, outcome and complications. AANS Annual Meeting. Toronto, Ontario, April 2001.
32. **Invited Speaker,** Breakfast Seminar: Third ventriculostomy: indications, techniques and outcome. AANS Annual Meeting. Toronto, Ontario, April, 2001.
33. Hayashi N, Leifer DW, **Cohen AR**: Chronological changes of cerebral ventricular size in a transgenic model of hydrocephalus. AANS Annual Meeting, Toronto, ON, April, 2001.
34. **Invited Speaker:** Breaking bad news. Society of Neurological Surgeons, Cleveland, Ohio, May, 2001.
35. **Cohen AR:** Video Presentation: Extreme neurosurgery, Society of Neurological Surgeons, Cleveland, Ohio, May, 2001.
36. **Honored Guest Speaker,** Plenary Session. Sixteenth Mexican Congress of Neurological Surgeons. Puerto Vallarta, July 2001.
37. **Invited Moderator,** Luncheon Seminar: Endoscopic third ventriculostomy for the general neurosurgeon. CNS Annual Meeting, San Diego, California, October 2001.
38. **Invited Speaker,** Special Course: Nuances of endoscopic third ventriculostomy. CNS Annual Meeting, San Diego, California, October 2001.
39. **Invited Moderator,** Scientific Session on Spasticity, AANS/CNS Pediatric Section Annual Meeting, New York, New York, December 2001.
40. Bambakidis NC, **Cohen AR**: Rhabdoid tumors of the central nervous system: clinical, radiographic and pathologic features. AANS Pediatric Section Annual Meeting, New York, New York, December, 2001.
41. **Invited Course Director,** AANS Practical Course on Minimally Invasive Neurosurgery. Intracranial Endoscopy: indications, techniques, outcome and complications. AANS Annual Meeting. Chicago, Illinois, April 2002.
42. **Invited Moderator,** Breakfast Seminar: Third ventriculostomy: indications, techniques and outcome. AANS Annual Meeting, Chicago, Illinois, April 2002.
43. Clinton RA, Leifer D, Lust DW, **Cohen AR**: Aberrant neuronal migration in hydrocephalus. AANS Annual Meeting, Chicago, Illinois, April, 2002.
44. **Cohen AR**: How to deliver bad news: a protocol for training medical students. AANS Annual Meeting, Chicago, Illinois, April, 2002.
45. **Invited Course Director,** AANS Practical Course on Minimally Invasive Neurosurgery. Intracranial Endoscopy: indications, techniques, outcome and complications, Case Western Reserve University School of Medicine, May, 2002.
46. **Invited Moderator,** Luncheon Seminar: Cranial endoscopy for the adult and pediatric neurosurgeon. CNS Annual Meeting, Philadelphia, Pennsylvania, September 2002.
47. **Invited Moderator and Discussant,** Scientific Session on Endoscopy and Trauma, AANS/CNS Pediatric Section Annual Meeting, Phoenix, Arizona, December, 2002.
48. Miller J, **Cohen AR**: Aberrant neuronal development in hydrocephalus. AANS/CNS Section on Pediatric Neurosurgery Annual Meeting, Phoenix, Arizona, December, 2002.
49. **Invited Moderator,** Breakfast Seminar: Third ventriculostomy: indications, techniques and outcome. AANS Annual Meeting, San Diego, California, April 2003.
50. **Invited Course Director**, AANS Practical Course on Minimally Invasive Neurosurgery. Intracranial Endoscopy: indications, techniques, outcome and complications. AANS Annual Meeting, San Diego, California, April 2003.
51. **Invited Discussant,** Neuroendoscopy. Japanese-American Neurosurgical Friendship Symposium. AANS Annual Meeting, San Diego, California, April 2003.
52. Miller J, **Cohen AR**: Ultrastructural analysis of an experimental model of hydrocephalus. AANS Annual Meeting, San Diego, California, April 2003.
53. **Invited Speaker,** Effective communication: fostering a culture of patient safety and improved care. CNS Annual Meeting, Denver, Colorado, October 2003.
54. **Invited Course Director,** AANS Practical Course on Minimally Invasive Neurosurgery. Intracranial Endoscopy: indications, techniques, outcome and complications. AANS Annual Meeting, Orlando, Florida, May 2004.
55. **Invited Moderator,** Breakfast Seminar: Third ventriculostomy: indications, techniques and outcome. AANS Annual Meeting, Orlando, Florida, May 2004.
56. **Invited Chairman and Discussant.** Latin American-American Symposium on Neurosurgery: Endoscopy. AANS Annual Meeting, Orlando, Florida, May 2004.
57. **Invited Speaker,** Neurosurgical education. Neurosurgical Society of America Annual Meeting. Santa Fe, New Mexico, June 2004.
58. **Cohen AR**: Virtual reality to teach endoscopic neurosurgery. Pediatric Neurosurgery Research Group, Hanover, New Hampshire, August 2004.
59. **Invited Speaker,** Luncheon Seminar: Ventricular tumors. CNS Annual Meeting, San Francisco, California, October 2004.
60. **Invited Moderator,** Scientific Session IX. Endoscopic procedures, AANS/CNS Pediatric Section Annual Meeting, San Francisco, California, December 2004.
61. Manjila S, Cavusoglu C, Brown N, **Cohen AR**: Virtual reality as a training tool for endoscopic neurosurgical procedures, AANS Annual Meeting, San Francisco, California, December 2004.
62. **Invited Course Director,** AANS Practical Course on Minimally Invasive Neurosurgery. Intracranial Endoscopy: indications, techniques, outcome and complications. AANS Annual Meeting, New Orleans, Louisiana, April 2005.
63. **Invited Moderator,** Breakfast Seminar. Third ventriculostomy: indications, techniques and outcome. AANS Annual Meeting, New Orleans, Louisiana, April, 2005.
64. Verrees MA, **Cohen AR**: Anderson JS: Effective treatment of atlanto-occipital dislocation utilizing halo brace immobilization. AANS Annual Meeting, New Orleans, Louisiana, April 2005.
65. **Cohen AR**: Surgical simulation using virtual environments for training in endoscopic neurosurgery. American Academy of Neurological Surgery Annual Meeting, Half Moon Bay, California, September 2005.
66. **Invited Speaker,** Plenary Session. Technique, complications and results of third ventriculostomy. CNS Annual Meeting, Boston, MA, October 2005.
67. **Invited Speaker,** Luncheon Seminar. Cranial minimally invasive techniques. CNS Annual Meeting, Boston, MA, October 2005.
68. **Invited Moderator and Speaker,** Plenary Session. Endoscopy: Contemporary management of peripheral nerve, spine and brain. American College of Surgeons Annual Meeting, San Francisco, CA, October 2005.
69. **Invited Moderator,** Scientific Session V: Techniques in Neurosurgery. AANS/CNS Pediatric Section Annual Meeting. Orlando, Florida, November 2005.
70. Hughes G, **Cohen AR**, Robinson: Prognosis of accidentally-discovered central nervous system tumors in children. AANS/CNS Section on Pediatric Neurosurgery Annual Meeting, Orlando, Florida, December 2005.
71. **Invited Course Director,** AANS Practical Course on Minimally Invasive Neurosurgery. Intracranial Endoscopy: indications, techniques, outcome and complications. AANS Annual Meeting, San Francisco, California, April 2006.
72. **Invited Speaker,** Practical Course in Pediatric Neurosurgery: Innovations in Pediatric Neurosurgery. AANS Annual Meeting, San Francisco, California, April 2006.
73. **Invited Speaker,** Breakfast Seminar. Intracranial endoscopy. AANS Annual Meeting, San Francisco, California, April 2006.
74. **Invited Speaker,** Practical Course in 3D Surgical Anatomy for Senior Neurosurgery Residents, CNS Symposium, St. Louis, MO, August 2006.
75. **Invited Speaker,** Practical Course: Surgical approaches to the ventricular system. CNS Annual Meeting, Chicago, Illinois, October 2006.
76. **Invited Speaker,** Plenary Session, 3D Cadaveric Demonstration, Third ventricular colloid cyst: endoscopic approach. CNS Annual Meeting, Chicago, Illinois, October 2006.
77. **Invited Moderator and Speaker,** Luncheon Seminar, Intraventricular Endoscopy. CNS Annual Meeting, Chicago, Illinois, October 2006.
78. **Invited Speaker,** Intraventricular Endoscopy: Endoscopic resection of pineal region tumors. CNS Annual Meeting, Chicago, Illinois, October 2006.
79. **Invited Speaker,** Plenary Session, Computer-assisted surgery and surgical simulators: their role in patient care and surgical education. CNS Annual Meeting, Chicago, Illinois, October 2006.
80. **Invited Speaker,** Practical Course in Neuroendoscopy; Endoscopic resection of colloid cysts of the third ventricle. Cornell Medical College, New York, New York, November, 2006.
81. **Invited Moderator and Speaker**, Scientific Session V: Hydrocephalus. AANS/CNS Joint Section on Pediatric Neurological Surgery Annual Meeting, Denver, Colorado, December 2006.
82. **Invited Speaker,** Topics in Neurological Surgery: Nursing Seminar, Techniques for breaking bad news. AANS/CNS Joint Section on Pediatric Neurological Surgery Annual Meeting, Denver, Colorado, December 2006.
83. Manjila S, **Cohen AR**: Familial intracranial dermoids. AANS/CNS Section on Pediatric Neurological Surgery Annual Meeting, Denver, Colorado, December 2006.
84. **Invited Speaker,** Endoscopic third ventriculostomy in infants: does it work? American Society of Pediatric Neurosurgeons Annual Meeting, Lanai, Hawaii, February, 2007.
85. **Invited Course Director,** AANS Practical Course on Minimally Invasive Neurosurgery. Intracranial Endoscopy: indications, techniques, outcome and complications. AANS Annual Meeting, Washington, D.C., April 2007.
86. **Invited Speaker,** Breakfast Seminar, Intracranial endoscopy, AANS Annual Meeting, Washington, D.C., April 2007.
87. **Invited Speaker,** Update on undergraduate education. Society of Neurological Surgeons Annual Meeting, San Francisco, California, May 2007.
88. **Invited Course Director,** Surgical Approaches to the Ventricular System. CNS Annual Meeting, San Diego, California, September 2007.
89. **Invited Speaker,** Plenary Session, Breaking bad news. CNS Annual Meeting, San Diego, California, September 2007.
90. **Invited Moderator**, Luncheon Seminar, Intraventricular endoscopy. CNS Annual Meeting, San Diego, California, September 2007.
91. Miller JP, Fulop S, Dashti S, Robinson S, **Cohen AR**: Has the ventriculoperitoneal shunt tap outlived its usefulness? AANS/CNS Section on Pediatric Neurological Surgery Annual Meeting, Miami, Florida, November 2007.
92. **Invited Moderator and Speaker,** Ethical controversies in pediatric neurosurgery. American Society of Pediatric Neurosurgeons Annual Meeting, Los Cabos, Mexico, February 2008.
93. **Invited Course Director,** AANS Practical Course on Minimally Invasive Neurosurgery. Intracranial Endoscopy: indications, techniques, outcome and complications. AANS Annual Meeting, Chicago, Illinois, April 2008.
94. **Invited Speaker,** Breakfast Seminar, Intracranial endoscopy, AANS Annual Meeting, Chicago, Illinois, April 2008.
95. **Invited Panelist,** Meet the Experts: Pediatric Neurosurgery, AANS Annual Meeting, Chicago, Illinois, April 2008.
96. **Invited Course Co-Director,** Surgical Approaches to the Ventricular System. CNS Annual Meeting, Orlando, Florida, September 2008.
97. **Invited Moderator,** Luncheon Seminar, Intraventricular endsocopy. CNS Annual Meeting, Orlando, Florida, September 2008.
98. **Cohen AR**, Miller JP: Extreme Neuroanatomy. A musical presentation. Congress of Neurological Surgeons Annual Meeting, Orlando, Florida, September 2008.
99. **Invited Speaker,** The History of Minimally Invasive Neurosurgery. The Charles G. Drake History of Surgery Lecture, 94th Annual Clinical Congress, American College of Surgeons, San Francisco, California, October 2008.
100. **Invited Course Director,** AANS Practical Course on Minimally Invasive Neurosurgery. Intracranial Endoscopy: indications, techniques, outcome and complications. AANS Annual Meeting, San Diego, California, May 2009.
101. **Invited Course Director,** Practical Course, Masters of Neuroendoscopy, World Congress of Neurological Surgery, Boston, Massachusetts, August 2009.
102. **Invited Moderator and Speaker:** Management of third ventricular colloid cysts, World Congress of Neurological Surgery, Boston, Massachusetts, August 2009.
103. **Invited Course Co-Director,** Surgical Approaches to the Ventricular System. CNS Annual Meeting, New Orleans, Louisiana, October 2009.
104. **Invited Speaker,** Digital Masters Video Symposium: Endoscope-Assisted Microsurgery. CNS Annual Meeting, New Orleans, Louisiana, October 2009. Also published online at CNS University of Neurosurgery Lecture Hall Series.
105. **Invited Speaker,** Cases With the Masters. CNS Annual Meeting, New Orleans, Louisiana, October 2009.
106. **Cohen AR**, Kunes J, Thompson GH: Idiopathic intracranial hypertension following fusion for spinal deformity. American Society of Pediatric Neurosurgeons Annual Meeting, Grand Cayman Island, January 2010.
107. **Honored Guest,** Fourth World Congress for Endoscopic Surgery of the Brain, Skull Base and Spine.

*Keynote address*: Advances in Cranial Endoscopy, Pittsburgh, Pennsylvania, April 2010.

238. **Honored Guest,** Fourth World Congress for Endoscopic Surgery of the Brain, Skull Base and Spine. Advances in Intraventricular Endoscopy. Pittsburgh, Pennsylvania, April 2010.

239. **Honored Guest,** Fourth World Congress for Endoscopic Surgery of the Brain, Skull Base and Spine. Principles of working channel Endoscopy. Pittsburgh, Pennsylvania, April 2010.

240. Bahuleyan B, **Cohen AR**: Minimally invasive endoscopic transventricular hemispherotomy for medically intractable epilepsy- a new approach and cadaveric demonstration. AANS Annual Meeting, Philadelphia, Pennsylvania, May 2010.

241. Bahuleyan B, Robinson S, **Cohen AR**: The history of hemispherectomy for epilepsy: from radical anatomic resection to less invasive hemispheric disconnections. AANS Annual Meeting, Philadelphia, Pennsylvania, May 2010.

242. **Invited Course Director,** AANS Practical Course on Minimally Invasive Neurosurgery. Intracranial Endoscopy: indications, techniques, outcome and complications. AANS Annual Meeting, Philadelphia, Pennsylvania, May 2010.

243. **Invited Moderator,** Breakfast Seminar, Advances in neuroendoscopy. AANS Annual Meeting, Philadelphia, Pennsylvania, May 2010.

244. **Invited Speaker,** AANS Section on Tumors Opening Reception: Medulloblastoma update. AANS Annual Meeting, Philadelphia, Pennsylvania, May 2010.

245. **Invited Speaker,** The art of giving a talk. Society of Neurological Surgeons Annual Meeting, New Haven, Connecticut, June, 2010.

246. **Invited Moderator,** Boot camp for residency program directors, Society of Neurological Surgeons Annual Meeting, New Haven, Connecticut, June, 2010.

247. **Invited Moderator,** Session on Educating, Society of Neurological Surgeons Annual Meeting, New Haven, Connecticut, June, 2010.

248. **Invited Guest Faculty,** Neuroendoscopy symposium. The future of neuroendoscopy, University of Buffalo, Buffalo, New York, July 2010.

249. **Invited Guest Faculty,** Neuroendoscopy symposium. Complication avoidance in endoscopic ventricular surgery, University of Buffalo, Buffalo, New York, July 2010.

250. **Invited Course Co-Director,** Surgical approaches to the ventricular system: a 3-D practical course, Congress of Neurological Surgeons, San Francisco, October 2010.

251. **Invited Faculty,** Intracranial Endoscopy. Practical Course, Congress of Neurological Surgeons, San Francisco, October 2010.

252. **Invited Faculty,** The role of Endoscopy in keyhole approaches to the skull base, Congress of Neurological Surgeons, San Francisco, October 2010.

253. **Invited Faculty,** Neurosurgical Forum, Congress of Neurological Surgeons, San Francisco, October 2010.

254. Bahuleyan B, Robinson S, **Cohen AR**: Comparison of endoscopic versus microsurgical hemispherotomy techniques in a cadeveric model. Neurosurgical Presentation Forum. Congress of Neurological Surgeons Annual Meeting, San Francisco, California, October 2010.

255. Manjila S, Bahuleyan B, **Cohen AR**, Robinson S: Focal cortical dysplasia plus acquired neurological insults in children with medically intractable epilepsy. Digital interactive poster. Congress of Neurological Surgeons Annual Meeting, San Francisco, California, October 2010.

256. Alonso F, Manjila S, **Cohen AR**: Pilomyxoid astrocytoma: an unusual astrocytic neoplasm. Poster presentation, AANS/CNS Section on Pediatric Neurological Surgery Annual Meeting, Cleveland, Ohio, December, 2010.

257. Chowdhry S, **Cohen AR**: Citrobacter brain abscess in neonates: the importance of early diagnosis and aggressive surgical intervention. AANS/CNS Section on Pediatric Neurological Surgery Annual Meeting, Cleveland, Ohio, December, 2010.

258. **Cohen AR**, Manjila S, Cohen ML: Embryonal tumor with atypical neuropil and true rosettes. American Society of Pediatric Neurosurgeons Annual Meeting, Lanai, Hawaii, February 2011.

259. **Honored Guest and Speaker,** Texas Association of Neurological Surgeons (TANS). The future of minimally invasive neurosurgery. Dallas, Texas, February, 2011.

260. **Invited Faculty,** AANS Pediatric Neurosurgery Review Course, Memphis, Tennessee, March 2011.

261. **Invited Moderator,** Scientific Session IV- Pediatric Neurosurgery. AANS Annual Meeting, Denver, Colorado, April, 2011.

262. **Invited Course Director,** AANS Practical Course on Minimally Invasive Neurosurgery. Intracranial Endoscopy: indications, techniques, outcome and complications. AANS Annual Meeting, Denver, Colorado, April, 2011.

263. **Invited Moderator,** Breakfast Seminar, Intracranial Endoscopy, AANS Annual Meeting, Denver, Colorado, April, 2011.

264. Wu O, Manjila S, **Cohen AR**: The remarkable medical lineage of the Monro family: contributions of Alexander Primus, Secundus and Tertius, AANS Annual Meeting, Denver, Colorado, April 2011.

265. Bahuleyan B, Robinson S, **Cohen AR**: Endoscopic transventricular anatomy of the mesial temporal lobe: cadaveric demonstration of a new operative approach AANS Annual Meeting, Denver, Colorado, April 2011.

266. Bahuleyan B, Manjila S, **Cohen AR**: The evolution of modern neurosurgery in India. AANS Annual Meeting, Denver, Colorado, April 2011.

267. Huang MI, O’Riordan MA, Fitzenrider E, McDavid L, **Cohen AR**, Robinson S: Rise in inflicted infant head trauma associated with the recession. AANS Annual Meeting, Denver, Colorado, April 2011**. (Winner of the Socioeconomic Award).**

268. **Invited Discussant,** Surgical management of the symptomatic enlarged isolated fourth ventricle. AANS Annual Meeting, Denver, Colorado, April 2011.

269. **Invited Moderator**, Scientific Session 4: Stewardship and Education in the New Era. Society of Neurological Surgeons Annual Meeting, Portland, Oregon, May 2011.

270. Bahuleyan B, **Cohen AR**: Frameless stereotactic endoscope-assisted trans-occipital hippocampal depth electrode placement: cadaveric demonstration of a new approach. Congress of Neurological Surgeons, Washington, D.C., October 2011.

271. **Invited Course Director,** Masters of Cranial Endoscopy, Practical Video Symposium, Congress of Neurological Surgeons, Washington, D.C., October 2011.

272. **Invited Speaker,** Seeking better treatment: Endoscopic third ventriculostomy, Plenary Session, Congress of Neurological Surgeons, Washington, D.C., October 2011.

273. **Invited Moderator,** Neurosurgical Forum: Pediatric Neurological Surgery Original Science Program, Congress of Neurological Surgeons, Washington, D.C., October 2011.

274. **Invited Course Director,** AANS Practical Course on Minimally Invasive Neurosurgery. Intracranial Endoscopy: indications, techniques, outcome and complications. AANS Annual Meeting, Miami, Florida, April, 2012.

275. **Invited Moderator,** Breakfast Seminar, Intracranial Endoscopy, AANS Annual Meeting, Miami, Florida, April, 2012.

276. **Invited Moderator,** Scientific Session 4: Governance and managing conflict. Society of Neurological Surgeons Annual Meeting, Atlanta, Georgia, May 2012.

277. **Invited Course Director,** Masters of Cranial Endoscopy, Practical Video Symposium, Congress of Neurological Surgeons, Chicago, Illinois, October 2012.

278.**Invited Speaker**, Approaches to managing pineal region tumors in children, Congress of Neurological Surgeons, Chicago, Illinois, October 2012.

279. **Invited Moderator**, Neurosurgical Treatment of Spasticity Symposium. AANS/CNS Section on Pediatric Neurological Surgery Annual Meeting, St. Louis, Missouri, November 2012.

280. **Invited Speaker and Honored Guest,** San Francisco Neurological Society, Sonoma, CA, April, 2013.

281. **Invited Course Director,** AANS Practical Course on Minimally Invasive Neurosurgery.

Intracranial Endoscopy: indications, techniques, outcome and complications. AANS Annual Meeting, New Orleans, Louisiana, May, 2013.

282. **Invited Moderator,** Breakfast Seminar, Intracranial Endoscopy, AANS Annual Meeting, New Orleans, Louisiana, May, 2013.

283. **Invited Speaker**, Breakfast Seminar, ABNS Board Preparation: What You Must Know, AANS Annual Meeting, New Orleans, Louisiana, May, 2013.

284. Lohani S, **Cohen AR**: Franc D. Ingraham: the legacy of pediatric neurosurgery. AANS Annual Meeting, New Orleans, Louisiana, May 2013.

285. Vogel T, Bahuleyan B, Robinson S, **Cohen AR**: Endoscopic third ventriculostomy for the treatment of hydrocephalus: review of 100 consecutive cases. AANS Annual Meeting, New Orleans, Louisiana, May 2013.

286. **Invited Speaker:** The history of neurosurgery at Boston Children’s Hospital. Society of Neurological Surgeons Annual Meeting, Boston Massachusetts, June 2013.

287. **Invited Moderator:** Scientific Session 4: Education and Mentoring. Society of Neurological Surgeons Annual Meeting, Boston Massachusetts, June 2013.

288. **Invited Course Director,** Masters of Cranial Endoscopy, Practical Video Symposium, Congress of Neurological Surgeons, San Francisco, California, October 2013.

289. Jeelani Y, Weinstock P, **Cohen AR**, Robinson S: In-situ pediatric simulation training for the management of neurosurgical operative crises. AANS/CNS Section on Pediatric Neurological Surgery Annual Meeting, Toronto, ON, December 2013.

290. Jeelani Y, Stone S, Al-Mefty O, **Cohen AR**: Endoscope-assisted microsurgery for complex brainstem lesions (Poster). AANS/CNS Section on Pediatric Neurological Surgery Annual Meeting, Toronto, ON, December 2013.

291. **Invited Moderator,** Breakfast Seminar, Intracranial Endoscopy, AANS Annual Meeting, San Francisco, California, April 2014.

292. **Invited Speaker**, Breakfast Seminar, ABNS Board Preparation: What You Must Know, AANS Annual Meeting, San Francisco, California, May, 2014.

293. **Invited Course Director,** AANS Practical Course on Minimally Invasive Neurosurgery.

Intracranial Endoscopy: indications, techniques, outcome and complications. AANS Annual Meeting, San Francisco, California, April 2014.

294. **Invited Moderator,** Plenary Session on the Next Accreditation System, Clinical Learning Environment Review and the Milestones. Society of Neurological Surgeons Annual Meeting, Rochester, MN, May 2014.

295. Jeelani Y, Gokoglu A, Anan T, Al-Mefty O, **Cohen AR**: Retrosigmoid transtentorial transcollateral sulcus approach to the lateral ventricle: a cadaveric study. Congress of Neurological Surgeons Annual Meeting, Boston, MA, October 2014.

296. Jeelani Y, **Cohen AR**: Kenneth D. Blackfan’s contributions to pediatric neurosurgery. Congress of Neurological Surgeons Annual Meeting, Boston, MA, October 2014.

297. Choi H, Madsen JR, Scott RM, Warf BC, **Cohen AR**, Huebenthal E, Jernigan SC, Goumnerova L: Intracranial arachnoid cysts and hemorrhage. Congress of Neurological Surgeons Annual Meeting, Boston, MA, October 2014.

298. **Invited Speaker:** Luncheon Seminar: Neurosurgical Forum: Managing challenging pediatric neurosurgical diseases- Choroid plexus papilloma. Congress of Neurological Surgeons Annual Meeting, Boston, MA, October 2014.

299. **Invited Course Director,** AANS Practical Course on Minimally Invasive Neurosurgery.

Intracranial Endoscopy: indications, techniques, outcome and complications. AANS Annual Meeting, Washington, DC, April 2015.

300. **Invited Moderator,** Breakfast Seminar, Intracranial Endoscopy, AANS Annual Meeting, Washington, DC, April 2015.

301. **Invited Moderator and Speaker**, Breakfast Seminar, ABNS Board Preparation: What You Must Know, AANS Annual Meeting, Washington, DC, May, 2015.

302. Rehder R, **Cohen AR:** Unsung hero: Donald Darrow Matson’s legacy in pediatric neurosurgery. AANS Annual Meeting, Washington, DC, May, 2015.

303. Jeelani Y, Gokoglu A, Holou M, Al-Mefty O, **Cohen AR**: Looking around the corner: endoscope-assisted microsurgery of the posterior fossa (Poster), AANS Annual Meeting, Washington DC, May, 2015.

304. Gokoglu A, Jeelani Y, Wang J, **Cohen AR**, Al-Mefty O: Transtentorial approaches to the mediobasal temporal region: extended retrosigmoid vs. paramedian supracerebellar (Poster). AANS Annual Meeting, Washington DC, May, 2015.

305. Bahuleyan B, Robinson S, **Cohen AR:** Endoscopic anatomy of amygdalohippocampectomy, hemispherotomy, hippocampal depth electrode placement and total callosotomy. World Federation of Stereotactic and Functional Neurosurgery Meeting, Bombay, India, September, 2015.

306. **Invited Speaker:** Luncheon Seminar: Managing challenging pediatric neurosurgical diseases: interactive case-based discussions- Pineal region brain tumors. Congress of Neurological Surgeons Annual Meeting, New Orleans, LA, September 2015.307.

307. **Presidential Address:** The art is long. American Society of Pediatric Neurosurgeons Annual Meeting, Palm Beach, Aruba, February 2016.

308. **Invited Speaker:** The future of board certification in pediatric neurosurgery. American Society of Pediatric Neurosurgeons Annual Meeting, Palm Beach, Aruba, February 2016.

309. **Invited Course Director,** AANS Practical Course on Minimally Invasive Neurosurgery.

Intracranial Endoscopy: indications, techniques, outcome and complications. AANS Annual Meeting, Chicago, IL, May 2016.

310. **Invited Moderator,** Breakfast Seminar, Intracranial Endoscopy, AANS Annual Meeting, Chicago, IL, May 2016.

311. **Invited Moderator and Speaker**, Breakfast Seminar, ABNS Board Preparation: What You Must Know, AANS Annual Meeting, Chicago, IL, May 2016.

312. Rehder R, Weinstock P, Prabhu S, **Cohen AR:** Creation of novel hi-fidelity patient-specific 3D printed models for simulation of minimally Invasive neurosurgery. AANS Annual Meeting, Chicago, IL,

May 2016.

313. Rehder R, Peroco M, Al-Mefty O, **Cohen AR:** Endoscope-assisted microsurgery of the posterior incisural space. Poster. AANS Annual Meeting, Chicago, IL, May 2016.

314. **Invited Moderator:** Clinical Science Update. Society of Neurological Surgeons Annual Meeting, Indianapolis, IN, June 2016.

315. **Invited Moderator, Pediatric Neurosurgery Session**: American Academy of Neurological Surgery Annual Meeting, Jackson Hole, WY, September 2016.

316. Rehder R, **Cohen AR**: Endoscope-assisted microsurgical subtemporal keyhole approach to the posterolateral suprasellar region and basal cisterns. CNS Annual Meeting, San Diego, CA, September 2016.

317. Rehder R, Weinstock P, Prabhu S, Forbes P, Roussin C, **Cohen AR**: Validation of a novel 3D printed simulator for endoscopic third ventriculostomy. Poster, AANS/CNS Section on Pediatric Neurological Surgery, Orlando, FL, December 2016.

318. **Invited Moderator:** Breakfast Seminar, Intracranial Endoscopy, AANS Annual Meeting, Los Angeles, California, April 2017.

319. **Cohen AR:** Presidential Address- The art of neurosurgery. Society of Neurological Surgeons Annual Meeting, Houston, Texas, May 2017.

320. **Cohen AR:** The art of talking to medical students. Society of Neurological Surgeons Annual Meeting, Houston, Texas, May, 2017.

321. Zhang X, Ellens NPK, Belzberg M, Miller P, **Cohen AR**, Brem H, Siewerdsen JH, Manbachi A. “Design of a low-power, minimally invasive high intensity focused ultrasound device for ablative applications in neuro-oncology: a simulation study” 59th AAPM Annual Meeting & Exhibition, Denver, CO, Aug, 2017.

322. **Cohen AR:** Humility. Honored Guest Address. Congress of Neurological Surgeons Annual Meeting, Boston, MA, October 2017.

323. **Cohen AR:** Simplicity. Honored Guest Address. Congress of Neurological Surgeons Annual Meeting, Boston, MA, October 2017.

324. **Cohen AR:** Curiosity. Honored Guest Address. Congress of Neurological Surgeons Annual Meeting, Boston, MA, October 2017.

325. **Cohen AR:** The art of the talk. Honored Guest Address. Congress of Neurological Surgeons Annual Meeting, Boston, MA, October 2017.

326. **Invited Speaker:** The art of neurosurgery. Great Teachers Lecture, National Institutes of Health, Bethesda, MD, November 2017.

327. **Invited Speaker:** Pediatric brain tumors: what’s new? Arab Health Convention, Dubai, UAE, January 2018.

328. **Invited Moderator:** Leadership development. Society of Neurological Surgeons Annual Meeting, Hershey, PA, May, 2018.

329. **Invited Moderator:** Breakfast Seminar, Intracranial Endoscopy, AANS Annual Meeting, New Orleans, LA, May 2018.

330. **Invited Speaker:** Endoscopic third ventriculostomy and endoscopic choroid plexus coagulation for the treatment of hydrocephalus. 15th National Conference on Hydrocephalus. Hydrocephalus Association, Orange County, CA, June 2018.

331. **Cohen AR:** Desmoplastic infantile Ganglioglioma: the great neurosurgical masquerader. American Society of Pediatric Neurosurgeons Annual Meeting, Kauai, Hawaii, February 2019.

332. Kobets AJ, **Cohen AR**, Goodrich JT: Embryological basis of craniopagus twinning- joining the fusionists and the fissionists. AANS/CNS Section on Pediatric Neurological Surgery Annual Meeting, Phoenix, AZ, December 2019.

333. **Cohen AR,** Kobets AJ, Lee A: Unexpected Binding of Tozuleristide “Tumor Paint” to a cavernous vascular malformation: A novel application of fluorescent guided surgery? American Society of Pediatric Neurosurgeons Annual Meeting, Nassau, Bahamas, January 2020.

1. **Cohen AR:** Joseph Ransohoff. Video Remembrance. Society of Neurological Surgeons Annual Meeting, Philadelphia, PA, May 2020 (100th Anniversary Meeting).
2. **Invited Speaker:** International Webinar: Masterclass on Operative Paediatric Spinal Surgery. The Chiari Malformation: How I do it. September 2020, via Zoom.
3. **Invited Speaker:** Global Neurosurgery International Webinar: Simplicity in Neurosurgery. September 2020, via Zoom.
4. **Invited Speaker:** Medulloblastoma: How I do it. International Webinar: Continental Association of African Neurosurgical Societies, April 2021, via Zoom.
5. **Invited Speaker:** Surgery of the brainstem. Worldwide Masters’ Symposium in Tumour Surgery. Congress of Neurological Surgeons and World Federation of Neurosurgical Societies, August 2021, via Zoom.
6. **Invited Chair:** International Webinar: Chiari malformations and syringomyelia update. Neurosurgery Research Listserv, October, 2021.
7. **Invited Speaker:** The future of pediatric neurosurgery. Society of Neurological Surgeons Annual Meeting, Austin, Texas, October 2021.
8. **Invited Speaker:** How to get involved in organized neurosurgery. AANS/CNS Section on Pediatric Neurological Surgery Fellowship Bootcamp. Salt Lake City, Utah, December 2021.
9. **Cohen AR:** The Neurosurgical Management of Severe Hemophilia A and Moyamoya (SHAM). American Society of Pediatric Neurosurgeons Annual Meeting, Honolulu, Hawaii, February 2022.
10. **Invited Speaker:** Update on pediatric brain tumors. International Paediatric Brain Tumor Webinar, February 2022.
11. **Honorary Guest Speaker:** Advances in the management of pediatric brain tumors. Asian Congress of Neurological Surgeons (ACNS), First World Young Neurosurgeons’ Congress, May 2022, via Zoom.
12. **Invited Speaker:** Diagnosis and treatment of pediatric brain tumors. Symposium Neuroradiologicum XXII, New York, New York, May 2022.
13. **Invited Speaker:** Brain tumors in children- what’s new? International Webinar, Asian Congress of Neurological Surgeons, 602 participants, July 2022.
14. **Invited Speaker**: Master Session- Ventricular tumors in children. American Society of Pediatric Neurosurgeons Annual Meeting, Maui, Hawaii, January 2024.
15. **Invited Speaker**: Ventricular Endoscopy Practical Course, AANS/CNS Annual Meeting, New York, New York, December 2024.
16. **Cohen AR:** The art of the (w)rap: Novel technique and a brief history of head bandaging. American Society of Pediatric Neurosurgeons Annual Meeting, Aruba, January 2025.
17. **Invited Speaker**: Donald Matson Memorial Lecture, AANS Annual Meeting, Boston, MA 2025
18. **Invited Honorary Speaker:** International Webinar on Paediatric Brain Tumours. Masterclass on Medulloblastoma. May 2025