

# CURRICULUM VITAE

Nirav K. Shah, M.D., F.A.C.S.

## NAMED A TOP DOCTOR FOR 2018 BY PHILADELPHIA MAGAZINE

**Office address:** Princeton Brain and Spine Care, LLC  
1203 Langhorne Newtown Road, Suite 138  
Langhorne, PA 19047

**Telephone:** (215) 741-3141

**Fax:** (215) 741-3143

**E-mail address:** [n.shah@princetonbrainandspine.com](mailto:n.shah@princetonbrainandspine.com)

**Office address:** 731 Alexander Road, Suite 200  
Princeton, NJ 08950

**Telephone:** (609) 921-9001

**Fax:** (215) 741-3143

**Office address:** 901 W. Main Street (Ambulatory Campus)  
Suite 267  
Freehold, NJ 07728

**Telephone:** (732) 333-8702

**Fax:** (215) 741-3143

**Office address:** 190 Route 31, Suite 300B  
Flemington, NJ 08822  
(908) 229-6627  
(215) 741-3143

**Birth Date and Place:** February 11, 1975  
Patterson, New Jersey

**Citizenship:** United States

**Current Affiliations:**

4/01/2005 – Present

Princeton Brain and Spine  
Medical Director  
Langhorne, Pennsylvania  
Princeton, New Jersey  
Flemington, New Jersey  
Freehold, New Jersey

7/25/2005 - Present

Active Neurosurgeon  
St. Mary Medical Center  
1201 Langhorne-Newtown Road  
Langhorne, Pennsylvania

Curriculum Vitae  
Nirav K. Shah, M.D., F.A.C.S.

2/2006 – Present	Attending Neurosurgeon University Medical Center at Princeton One Plainsboro Road Plainsboro, New Jersey
5/24/2007- Present	Active Neurosurgeon Hunterdon Medical Center 2100 Wescott Drive Flemington, New Jersey
8/2005 - Present	Active Neurosurgeon Capital Health System 750 Brunswick Avenue Trenton, New Jersey
7/1/2012 - Present 5/1/15 -	Robert Wood Johnson University Hospital Section Chief of Neurosurgery One Hamilton Health Place Hamilton, NJ 08690
7/12/2012 – Present	Attending Neurosurgeon CentraState Healthcare System 901 West Main Street Freehold, NJ 07728
10/26/15 – 10/26/17	Provisional Neurosurgeon Saint Peter’s University Hospital 254 Eastern Avenue New Brunswick, NJ 08901

**Licensure:**

November 24, 2009	Board Certified: The American Board Of Neurological Surgery, ABNS, #29086 Pennsylvania #MD 426351 New Jersey # 25MA07946500
-------------------	--

**Executive Board Member**

December 23, 2017	Board of Trustees – Attitudes In Reverse 707 Alexander Road, Suite 208 Princeton, NJ 08540
-------------------	--

April 10, 2017                      Mutual Medical Insurance Company of North Carolina  
700 Spring Forest Road, Suite 400  
Raleigh, NC 27609

**Education:**

*Undergraduate:*

1993-1995                      Pennsylvania State University  
University Park, Pennsylvania

*Medical School:*

1995-1999                      Thomas Jefferson University  
Jefferson Medical College  
Philadelphia, Pennsylvania

*Postgraduate:*

1999-2000                      Surgery Intern, General Surgery  
Department of Surgery  
University of Maryland Medical System  
Baltimore, Maryland

2000-2005                      Resident, Neurosurgery  
Department of Neurosurgery  
University of Maryland Medical System  
Baltimore, Maryland

2004-2005                      Chief Resident  
Department of Neurosurgery  
University of Maryland Medical System  
Baltimore, Maryland

2003-2004                      Complex Spine Surgery  
Greater Baltimore Medical Center  
Spine Center  
Baltimore, Maryland

2002                              Neurotrauma/Spinal Trauma  
Maryland Shock Trauma Center  
Baltimore, Maryland

2003-2004                      Radiosurgery/Gamma Knife Internship

University of Maryland  
Baltimore, Maryland

*Courses:*

- |         |  |
|---------|--|
| 1/1995  | Biomedical Engineering Internship<br>Philadelphia, Pennsylvania                                  |
| 3/2002  | Medtronic/Sofamor Danek<br>Stealth Neuronavigation Training<br>Baltimore, Maryland               |
| 12/2002 | Temporal Bone Dissection Course<br>University of Maryland<br>Baltimore, Maryland                 |
| 2/2003  | Review Course<br>Armed Forces Institute of Pathology<br>Washington, District of Columbia         |
| 10/2003 | Spinal Workshop for Senior Residents<br>Congress of Neurological Surgeons<br>Denver, Colorado    |
| 12/2003 | Synthes Craniofacial Workshop<br>Baltimore, Maryland   |
| 1/2004  | Microendoscopic Discectomy Workshop<br>Baltimore, Maryland                                       |
| 2/2004  | Synthes Senior Resident Course<br>AANS/CNS Joint Section Neurotrauma<br>Pittsburgh, Pennsylvania |
| 3/2004  | Medtronic/Sofamor Danek<br>MAST-Minimal Access Spinal Technologies<br>Memphis, Tennessee         |

**Honors and Awards:**

- |      |   |
|------|---|
| 2009 | Guide to America's Top Physicians, Neurosurgery                 |
| 2007 | Guide to America's Top Physicians, Neurosurgery & Spine Surgery |

1998	Student Researcher Award
1998-1999	Alpha Omega Alpha Honor Society
1998-1999	High Honors: Neurosurgery Clerkship
1998-1999	High Honors: Hobart Amory Hare Internal Medicine Honor Society
1998-1999	High Honors: Emergency Medicine
1997	Phi Beta Kappa

### **Society Memberships:**

Member, American Association of Neurological Surgeons  
Member, American Board of Neurological Surgeons  
Member, Congress of Neurological Surgeons  
American Medical Association  
Mercer County Medical Society  
New Jersey Medical Society  
Pennsylvania Medical Society  
Pennsylvania Neurological Society

### **Bibliography**

#### *Journal Publications:*

1. **Shah, N.K.**, Chant, J., Shah, K.K. Development of Image Acquisition and Computer Modeling for Medical Precision Instruments. Algor Bioengineering Design, 10(2):5-8, 1994
2. **Shah, N.K.**, Flanders, A.E., Dagher, A.P., Herbsion, G.J.: Data-Derived Bayesian Network for the Interpretation and Prognostication of MRI and Clinical Variables in Cervical Spine Trauma. The Journal of Spinal Cord Medicine, 20(1):144, January 1997
3. Covarrubias, M., **Shah, N.K.**, Jerng, H.: Study the Action of n-Alkanols on the Properties of Single SHAW2 Potassium Channels Expressed in Xenopus Oocytes. Journal of Biological Chemistry, 1998
4. **Shah, N.K.**, Chin, L.S.: Differences in the Radiosurgical Treatment of Trigeminal Neuralgia with CAT scan versus MRI. Journal of Neurosurgery. Pending Review 2003-2004
5. **Shah, N.K.**, Simard, J.M.: Radiosurgery of Giant AVM's – A Stepwise Approach. Journal of Neurosurgery. Pending Review 2003-2004
6. **Shah, N.K.**, Chin, L.S.: Use of 3-telsa MRI in the Radiosurgical Treatment of Trigeminal Neuralgia. Neurosurgery On-Line. 2004

*Literature Publications:*

1. **Shah, N.K.:** Prognosis. Annual Student Journal Publication. December 1995
2. **Shah, N.K.,** Simard, J.M.: The Clinical Use of Magnesium Sulfate in the Treatment of Subarachnoid Hemorrhage Vasospasm. Neuromicrovascular Symposium. Meeting Presentation, Chicago, IL. March 2003
3. **Shah, N.K.:** Pathology, Radiology, and Physiology Review for the Neurosurgery Boards. University of Maryland Department of Neurosurgery Resident Board Review Materials. March 2003
4. **Shah, N.K.,** Chin, L.S.: Complications in Gamma Knife Treatment. Gamma Knife Review. Current project 2003-2004
5. **Shah, N.K.,** McLaughlin, M.R., Narayan, P.: Posterior Lumbar Interbody Fusion. AANS Surgical Management of Low Back Pain 2009; 11:96-103

*Oral Presentations/Meeting Abstracts/Courses/Interview:*

1. **Shah, N.K.,** Flanders, A.E.: Practical Aspects on the Use of Bayesian Belief Networks in Cervical Spine Trauma. American Spinal Injury Association Meeting. Houston, TX. March 1997
2. **Shah, N.K.,** Simard, J.M.: Multiple Additive Subtherapeutic Radiosurgical Treatments to Giant AVMs. International Meeting on Microvascular/Vascular Research. Philippines. May 2003
3. **Shah, N.K.:** Radiosurgery of Giant AVMs - A New Perspective in the Controversial Treatment of Giant AVMs. Congress of Neurological Surgeons. October 2003
4. **Shah, N.K.:** Radiosurgical Treatment of Trigeminal Neuralgia in MRI contraindicated patients. Congress of Neurological Surgeons. October 2003
5. **Shah, N.K.:** Effect of 3-telsa MRI on the Radiosurgical Treatment of Trigeminal Neuralgia. Congress of Neurological Surgeons. October 2003
6. **Shah, N.K.,** Davis, R.: Correlation between Risk Factors and Lumbar Fusion Rates. Pending Acceptance. Spinal Instrumentation Section Meeting. Las Vegas, NV April 2004

7. **Shah, N.K.:** Thoracolumbar Stabilization. AANS National Meeting, San Francisco, CA. April 2006
8. **Shah, N.K.:** Physician/Sales Representative Relations. Abbott Spine National Meeting, Las Vegas, NV. April 2006
9. **Shah, N.K.,** Traumatic Brain Injury and Intracranial Pressure Monitoring. Nursing In-service St. Mary Medical Center, Langhorne PA., May 2006
10. **Shah, N.K.,** Traumatic Brain Injury and Intracranial Pressure Monitoring. Nursing In-service St. Francis Medical Center, Trenton, NJ, May 2006
11. **Shah, N.K.:** Role of Neurosurgery in Oncology. St. Mary Medical Center Oncology Conference for Primary Care Practitioner. Langhorne, PA June 2006
12. **Shah, N.K.:** Risk Management, February 19, 2008
13. **Shah, N.K.:** 2008 AANS/CNS, Orlando, Florida, February 27 – March 1, 2008
14. **Shah, N.K.:** Coding Challenges. Chicago, Illinois, June 28, 2008
15. **Shah, N.K.:** 2008 Neurotrauma Symposium, St. Mary Medical Center, Langhorne, Pennsylvania, October 27, 2008
16. **Shah, N.K.:** Spine on the Mountain – Innovation Meets Practice, Vail, Colorado, February 19-21, 2009
17. **Shah, N.K.:** Oral Board Preparation Course, Houston, Texas, May 24 – May 26, 2009
18. **Shah, N.K.:** Cancer Conference Case Presentation, St. Mary Medical Center, Langhorne, Pennsylvania, August 20, 2009
19. **Shah, N.K.:** MS-DRG's and Why They Matter, St. Mary Medical Center, Langhorne, Pennsylvania, September 23, 2009
20. **Shah, N.K.:** 2009 Neurotrauma Symposium, St. Mary Medical Center, Langhorne, Pennsylvania, October 5, 2009
21. **Shah, N.K.:** Oral Board Preparation Course, Houston, Texas, November 8 – 11, 2009
22. **Shah, N.K.:** 2010 AANS/CNS, Orlando, Florida, February 16 – 21, 2010
23. **Shah, N.K.:** Innovative Management of the Spine. Gladwyne, Pennsylvania, April 15, 2010.

24. **Shah, N.K.:** Cancer Conference Case Presentation, St. Mary Medical Center, Langhorne, Pennsylvania, May 20, 2010
25. **Shah, N.K.:** Spinal Issues in the Elderly. Senior Seminar: Bristol, Pennsylvania, June 9, 2010
26. **Shah, N.K.:** Cancer Conference Case Presentation, St. Mary Medical Center, Langhorne, Pennsylvania, June 17, 2010
27. **Shah, N.K.:** Cancer Conference Case Presentation, St. Mary Medical Center, Langhorne, Pennsylvania, July 15, 2010
28. **Shah, N.K.:** Neurosurgeon as CEO: The Business of Neurosurgery, AANS, New York City, New York, August 7-8, 2010
29. **Shah, N.K.:** Cancer Conference Case Presentation, St. Mary Medical Center, Langhorne, Pennsylvania, August 19, 2010
30. **Shah, N.K.:** Spinal Conditions, Treatment and Surgical Procedures, Excel Physical Therapy, Bensalem, Pennsylvania, September 7, 2010
31. **Shah, N.K.:** Innovative Management of the Spine - An Integration of Nonsurgical and Surgical Care. Pennsylvania Chapter of International Assoc. of Rehabilitation Professionals (IARP), Philadelphia, Pennsylvania, October 8, 2010
32. **Shah, N.K.:** Cancer Conference Case Presentation, St. Mary Medical Center, Langhorne, Pennsylvania, November 18, 2010
33. **Shah, N.K.:** Advances in Neurosurgical and Spinal Care in the Work-Injured Patient, Horizon Casualty BCBSNJ, Newark, New Jersey, December 8, 2010
34. **Shah, N.K.:** Cancer Conference Case Presentation, St. Mary Medical Center, Langhorne, Pennsylvania, December 14, 2010
35. **Shah, N.K.:** Cancer Conference Case Presentations, St. Mary Medical Center, Langhorne, Pennsylvania, January 20, 2011
36. **Shah, N.K.:** Jefferson Medical College Alumni Event, Alumni Speaker, Jefferson Alumni Hall, 1020 Locust Street, Philadelphia, Pennsylvania, February 9, 2011
37. **Shah, N.K.:** Cancer Conference Case Presentations, St. Mary Medical Center, Langhorne, Pennsylvania, February 17, 2011



38. **Shah, N.K.:** Neurosurgical Tumor Board Conference, Cancer Conference Case Presentation, St. Mary Medical Center, Langhorne, Pennsylvania, February 18, 2011
39. **Shah, N.K.:** Cancer Conference Case Presentations, St. Mary Medical Center, Langhorne, Pennsylvania, March 17, 2011
40. **Shah, N.K.:** Spine Surgery and Rehabilitation Symposium, Advances in Neurosurgical and Spine Care in the Work Injured Patient, Spinal Care Physicians and Physical Therapists Working Together, Bordentown, New Jersey, April 5, 2011
41. **Shah, N.K.:** Neuro-Oncology Conference Case Presentations, St. Mary Medical Center, Langhorne, Pennsylvania, April 22, 2011
42. **Shah, N.K.:** Cancer Conference Case Presentations, St. Mary Medical Center, Langhorne, Pennsylvania, May 19, 2011
43. **Shah, N.K.:** Neuro-Oncology Conference Case Presentations, St. Mary Medical Center, Langhorne, Pennsylvania, May 25, 2011
44. **Shah, N.K.:** Cancer Conference Case Presentation, St. Mary Medical Center, Langhorne, Pennsylvania, June 16, 2011
45. **Shah, N.K.:** Neuro-Oncology Conference Case Presentations, St. Mary Medical Center, Langhorne, Pennsylvania, July 27, 2011
46. **Shah, N.K.:** Cancer Conference Case Presentations, St. Mary Medical Center, Langhorne, Pennsylvania, August 18, 2011
47. **Shah, N.K.:** Presentation on IMPACT Testing, Council Rock High School North, Newtown, Pennsylvania, August 22, 2011
48. **Shah, N.K.:** Neuro-Oncology Conference Case Presentations, St. Mary Medical Center, Langhorne, Pennsylvania, August 26, 2011
49. **Shah, N.K.:** Presentation to Pennsylvania Self-Insurers' Association, 88<sup>th</sup> Annual Meeting, "A Comprehensive Overview of Treatment, Surgery and Testing for Brain and Spine Injuries", State College, Pennsylvania, September 19, 2011
50. **Shah, N.K.:** Neuro-Oncology Conference Case Presentations, St. Mary Medical Center, Langhorne, Pennsylvania, September 21, 2011
51. **Shah, N.K.:** Thoracic Oncology Conference Case Presentation at St. Mary Medical Center, Langhorne, Pennsylvania, November 10, 2011

52. **Shah, N.K.:** Neuro-Oncology Conference Case Presentations at St. Mary Medical Center, Langhorne, Pennsylvania, November 23, 2011
53. **Shah, N.K.:** Neuro-Oncology Conference Case Presentations at St. Mary Medical Center, Langhorne, Pennsylvania, December 23, 2011
54. **Shah, N.K.:** Orthopaedic Treatment of Vertebral Compression Fractures, KC Prime Steakhouse, 4160 Quakerbridge Road, Lawrenceville, New Jersey 08648, January 25, 2012
55. **Shah, N.K.:** “Retrospective View of Accelerated Program” presentation to college students at Jefferson Medical College, Jefferson Alumni Hall, Philadelphia, Pennsylvania
56. **Shah, N.K.:** “Postoperative Lumbar Spine Fusion Care of the Work Injured” Symposium at Villa Mannino Ristorante, Bordentown, New Jersey, April 3, 2012.
57. **Shah, N.K.:** AANS Annual Meeting 2012, April 14 – 18, 2012, Miami, Florida
58. **Shah, N.K.:** Presentation “Neck and Back Pain,” Spinal Research Foundation, 4700 E. Street Road, Feasterville/Treose, Feasterville, Pennsylvania, May 12, 2012
59. **Shah, N.K.:** Presentation “Neurological Trends: Part 1 Surgery and Recovery and Part 2: Neurosurgery Show and Tell,” Pennsylvania Workers’ Compensation Bureau Annual Conference, Hershey Lodge and Convention Center, 325 University Drive Hershey, Pennsylvania, June 11 and 12, 2012
60. **Shah, N.K.:** SMMC Neuro-Oncology Conference Case Presentations at St. Mary Medical Center, Langhorne, Pennsylvania, June 29, 2012
61. **Shah, N.K.:** Presentation “Innovations In The Spine, A Surgeon’s Perspective”, Health South Rehabilitation Hospital of Tinton Falls, Crystal Point Yacht Club, Point Pleasant, 3900 River Road, Point Pleasant, New Jersey, September 26, 2012
62. **Shah, N.K.:** “Innovations In The Spine, A Surgeon’s Perspective,” Pennsylvania Chiropractic Association, Kenny's Spirited Eatery, 1134 Street Road, Southampton, Pennsylvania, September 27, 2012
63. **Shah, N.K.:** Presentation – Head Trauma, ACE North American Claims, One Beaver Valley Road, Ste. 4E, Wilmington, Delaware, November 27, 2012
64. **Shah, N.K.:** Presentation - Cervical Spine Fusion and Artificial Disk Replacement Surgery, Hamilton Physical Therapy Symposium at Villa Mannino Ristorante --73 Route 130, Bordentown, New Jersey, April 9, 2013

65. **Shah, N.K.:** Presentation - "Brain, Drain and Pain," International Association of Rehabilitation Professionals Conference, Tropicana Resort & Casino, 2831 Boardwalk Avenue, Atlantic City, NJ, June 6, 2013
66. **Shah, N.K.:** Presentation - "Brain, Drain and Pain," Horizon Casualty Insurance, 33 Washington Street, 11<sup>th</sup> Floor, Newark, New Jersey, July 24, 2013
67. **Shah, N.K.:** Woods Services Foundation Presentation – “Current Surgical Management of Traumatic Brain Injury,” Houston Hall/Hall of Flags, University of Pennsylvania, 3417 Spruce Street, Philadelphia, Pennsylvania, Saturday, September 28, 2013
68. **Shah, N.K.:** Presentation - “Spinal Biomechanics for Personal Injury Victims,” Radisson Hotel Freehold, 50 Gibson Place, Freehold, New Jersey, October 1, 2013
69. **Shah, N.K.:** Presentation - "Brain, Drain and Pain," Horizon Casualty Services BCBS, 1427 Wyckoff Road, Wall, New Jersey, December 4, 2013
70. **Shah, N.K.:** Presentation - "Neurosurgical Spine Interventions" CentraState Medical Center Critical Care Conference, 901 W. Main Street, Freehold, New Jersey, December 14, 2013
71. **Shah, N.K.:** Presentation - “Retrospective View of Accelerated Program” to college students at Jefferson Medical College, Hamilton Bldg., Connelly Auditorium, 1001 Locust Street, Philadelphia, Pennsylvania, February 12, 2014.
72. **Shah, N.K.:** Presentation - "Update on Current Spine Techniques in the Personal Injury Patient" Weber Gallagher Mount Laurel Office 305 Fellowship Road, Suite 200, Mt. Laurel, New Jersey, April 4, 2014.
73. **Shah, N.K.:** Presentation – “Brain, Pain and Drain” 4<sup>th</sup> Annual Spine Symposium, Villa Mannino, 73 US 130, Trenton, New Jersey, April 8, 2014.
74. **Shah, N.K.:** Grand Rounds presentation – “Update on Cutting Edge brain and Spine Care for Primary Care Providers, Nurse Practitioners and Intensivists,” Robert Wood Johnson University Hospital Hamilton, New Jersey, April 23, 2014.
75. **Shah, N.K.:** CLE Seminar – “Update on Current Spine Techniques in the Personal Injury Patient" Weber Gallagher Law, 2000 Market Street, 13th Floor, Philadelphia, Pennsylvania, June 3, 2014.
76. **Shah, N.K.:** 2014 PA NJ 15<sup>th</sup> Annual IARP Conference, Tropicana Hotel & Casino, 2831 Boardwalk, Atlantic City, NJ 08401, June 18 – 20, 2014.

77. **Shah, N.K.:** Presentation - Spinal Cord Stimulator Implantation, Sam Vera Restaurant, 476 County Road 520, Marlboro Township, NJ 07746, September 24, 2014.
  78. **Shah, N.K.:** "Current Topics on Brain and Spine Trauma," Ruth's Chris, Village Boulevard, Princeton, New Jersey 08540, October 23, 2014.
  79. **Shah, N.K.:** Presentation "What's Inside That Brain of Yours," Robert Wood Johnson University Hospital Fitness & Wellness Center, 3100 Quakerbridge Road, Hamilton Township, New Jersey 08619, February 24, 2015.
  80. **Shah, N.K.:** Presentation "ER Management of Neurosurgical Emergencies," Robert Wood Johnson University Hospital Hamilton, 1 Hamilton Health Place, 3 Tele North Conference Room, Hamilton, New Jersey 08690, March 18, 2015.
  81. **Shah, N.K.:** Presentation "New and Emerging Technologies in the Surgical Treatment of Neck and Low Back Pain," Villa Mannino, 73 Rt. US 130, Bordentown, New Jersey 08620, April 21, 2015.
  82. **Shah, N.K.:** Presentation for New Jersey Association for Justice "New and Emerging Technologies in the Surgical Treatment of Neck and Low Back Pain," Bally's, 1900 Boardwalk, Atlantic City, New Jersey 08401, Friday, May 1, 2015.
  83. **Shah, N.K.:** Presentation for Stroke Day "Neurosurgery for Stroke Patients," University of Medical Center at Princeton Plainsboro, One Plainsboro Road, Plainsboro, New Jersey 08536, Wednesday, May 27, 2015.
  84. **Shah, N.K.:** Presentation "Looking Forward: New Technologies in Spine Surgery," Pennsylvania and New Jersey Chapters, Annual IARP Meeting, Tropicana Resort & Casino, 2831 Boardwalk Avenue, Atlantic City, New Jersey 08401, June 26, 2015.
  85. **Shah, N.K.:** Presentation "New and Emerging Technologies in the Surgical Treatment of the Neck and Low Back," Qual-Lynx, 30 Knightsbridge Road, Piscataway, New Jersey 08854, September 16, 2015.
  86. **Shah, N.K.:** Presentation "The Neurosurgical Management of Traumatic Brain and Spine Injury," CentraState Ambulatory Campus Auditorium, 901 W. Main Street, Freehold, New Jersey 07728, October 10, 2015.
- Shah, N.K.:** Presentation "Surgical Management of Chronic Pain For the Cervical and Lumbar Spine," Stagehouse Tavern, 1719 Amwell Road, Somerset, New Jersey 08873, October 14, 2015.

87. **Shah, N.K.:** Presentation "Update For The Primary Care Physician On Current Spine Surgery" New Jersey Association of Osteopathic Physicians and Surgeons, KC Prime, 4160 Quakerbridge Road, Trenton, New Jersey 08648, November 18, 2015.
88. **Shah, N.K.:** Presentation "Surgical Management of Chronic Pain for the Cervical and Lumbar Spine," Rats, 80 Sculptors Way, Hamilton, NJ 08619, March 24, 2016.
89. **Shah, N.K.:** Presentation "Surgical Management of Chronic Pain for the Cervical and Lumbar Spine," New Jersey Schools Insurance Group, 6000 Midlantic Drive, Suite 300, North Mount Laurel, NJ 08054, July 13, 2016.
90. **Shah, N.K.:** Presentation "Update On Neuro and Spine Surgery," NJAOPS, Salt Creek Grille, Princeton Forrestal Village, 1 Rockingham Row, Princeton, NJ 08540, January 18, 2017.
91. **Shah, N.K.:** Presentation "Effect of C-Morbidities on the Workers Compensation Spinal Patient", 2017 PA NJ IARP Conference, Tropicana Hotel, 2831 Boardwalk, Atlantic City, NJ 08401, June 23, 2017.
92. **Shah, N.K.:** Informative Panel, "Ring My Bell - A Practitioner's Guide to Representing Clients Who Suffer Concussions", Bench-Bar & Annual Conference, Philadelphia Bar Association, Borgata, 1 Borgata Way, Atlantic City, NJ 08401, October 14, 2017.
93. **Shah, N.K.:** Presentation "Surgical Alternatives to Conventional Spine Surgery such as Minimally Invasive Surgery," Horizon Casualty In-Service, April 25, 2018, May 24, 2018

**Concussion Events:**

1. **Shah, N.K.:** Concussions in Ice Hockey, Hamilton, New Jersey, June 28, 2010
2. **Shah, N.K.:** Concussion Management. KYW 1060 Health Report Radio Interview, Philadelphia, Pennsylvania, August 26, 2010
3. **Shah, N.K.:** Diagnosis and Management of Concussion. St. Mary Medical 2010 Neurotrauma Symposium, Langhorne, Pennsylvania, October 12, 2010
4. **Shah, N.K.:** Concussion, Signs and Symptoms, Diagnosis and Management, Bensalem High School, Bensalem, Pennsylvania, December 16, 2010
5. **Shah, N.K.:** Recognition of Concussion: ImPACT 101 Information. Signs and Symptoms, Treatment, and Return To Sport. Presentation for coaches, parents, and high school athletes. Middletown Parks and Recreation, Langhorne, Pennsylvania

6. **Shah, N.K.:** The NFL's Standardized Concussion Tests, The Wall Street Journal Article, Vol. CCLVII No. 55, March 9, 2011
7. **Shah, N.K.:** Concussion Discussion Workshop, Safe Kids Program, Neshaminy Middle School, Langhorne, Pennsylvania, April 28, 2011
8. **Shah, N.K.:** Update on the Treatment & Management of Concussion for Primary Care Physicians, Educational Dinner Program, Bella Tori at the Mansion Restaurant, Langhorne, Pennsylvania, May 24, 2011
9. **Shah, N.K.:** Concussion Symposium, Sheraton Bucks County, Langhorne, Pennsylvania, September 20, 2011
10. **Shah, N.K.:** Concussion Presentation at Hunterdon Medical Center, Emergency Department, Flemington, New Jersey, September 22, 2011
11. **Shah, N.K.:** Concussion Presentation at Hunterdon Medical Center, Neurosciences Clinical Service Line, Flemington, New Jersey, October 7, 2011
12. **Shah, N.K.:** An Update on the Treatment and Management of Concussions for Primary Care Physicians, Jasna Polana, Princeton, New Jersey, October 18, 2011
13. **Shah, N.K.:** Concussion Symposium given by Hunterdon Medical Center, The Grand Colonial, Perryville, New Jersey, March 29, 2012
14. **Shah, N.K.:** Concussion presentation at Robert Wood Johnson University Hospital, Occupational Health, One Hamilton Health Place, Hamilton, New Jersey 08690, May 1, 2012
15. **Shah, N.K.:** Presentation "Concussion and Traumatic Brain Injury in the Work-Injured Patient: Update in Treatment," 13th Annual I.A.R.P. Conference, Tropicana Casino & Resort, 2831 Boardwalk, Atlantic City, New Jersey 08401, June 7 and 8, 2012
16. **Shah, N.K.:** Concussion presentation at Holicong Middle School, 2900 Holicong Road, Doylestown, Pennsylvania 18902, September 27, 2012
17. **Shah, N.K.:** Presentation "It's Never Just a Concussion," Phoenix Rehabilitation Annual Workers' Compensation Panel of Experts, at the Crowne Plaza Valley Forge Hotel, 260 Mall Boulevard, King of Prussia, PA 19406, October 18, 2012
18. **Shah, N.K.:** Presentation "Current Concepts in Concussion Care," Hunterdon Medical Center, 2100 Wescott Drive, Flemington, New Jersey 08822, October 25, 2012
19. **Shah, N.K.:** Presentation – Update on Concussion Care for Athletic Directors and Principals of Suburban League of Southeastern Pennsylvania, Williamson's Restaurant, 500 Blair Mill Road, Horsham, PA 19044, May 14, 2013

20. **Shah, N.K.:** Presentation “Update on Concussion Care for Nurse Practitioners,” L’Acqua Ristorante, 52 W. Main Street, Freehold, New Jersey 07728, September 19, 2013
21. **Shah, N.K.:** Presentation “Current Guidelines and Therapies Regarding Concussion Care,” Yesterday's Restaurant, 3153 Route 35, Hazlet, New Jersey 07730, Tuesday, April 14, 2015
22. **Shah, N.K.:** Presentation “Judges Talk” Talk about Spinal Cord Injuries to New Jersey based Workman’s Compensation Judges, New Jersey Department of Labor Building, Wednesday, June 6, 2018