

# Reza Taheri

## Highlights

- Attending neurosurgeon at Namazee hospital, Shiraz University of medical sciences
- 3 years of experience in neurosurgery residency program with supervising more than 20 neurosurgery residents
- Top ranks holder in National neurosurgery board exam
- More than 2 years of handling different pediatric neurosurgical disorders in a referral university teaching hospital in south Iran
- Eager to do research and publish articles on pediatric neurosurgery areas
- **Reviewer** of Clinical case reports, Publons, Wiley and web of science
- Experience with more than 100 intra- ventricular pathologies via the neuroendoscopy
- Extensive interest and research on hydrocephalus and CSF mysterious physiology
- Great interest and research in fundamentals of A.I. in neurosurgery.
- Selected member of students committee for foreign affairs to meet the Kuwait selected students 2003-2004

## Work Experiences

Jul. 2020 - Jan. 2021

### First line Neurosurgeon

Abadeh Hospital – Fars, Iran

- Managed general neurosurgical patients, trauma and acute care neurosurgical disorders
- Supervised and trained more than 10 nursing and acute care staff

Jul. 2020 - Present

### Attending Neurosurgeon

Shiraz neurosurgery department, SUMS– Shiraz, Iran

- Supervised 20 residents and more than 40 medical interns
- Managed different pediatric neurosurgical disorders including craniosynostosis, brain tumors, complex TBIs, complex pediatric spinal disorders and spinal dysraphisms
- Published more than 15 articles in diverse pediatric and adult neurosurgery
- Taught different neurosurgical issues and attended grand rounds
- Consultant neurosurgeon in pediatric neurosurgery
- Managed 20 neurosurgery ICU beds
- Supervised more than 10 undergraduate thesis

Jul. 2020 - Present

### Attending neurosurgeon

Fasa university hospital, Fasa– FUMS, Iran

- Supervised more than 20 neurosurgery ICU staff
- The A to Z project manager of two TBI cohorts

- First line neurosurgeon in a referral university hospital
- Taught primary trauma and acute care surgery to the EMS

Nov. 2021 - Present

**Legal medical consultant**

SUMS, Shiraz, Iran

- Dealt with various legal neurosurgical cases

## Education

2004 – 2007

**Diploma**, Selected member of students committee for foreign affairs to meet the Kuwait selected students 2003-2004

2008- 2014

**Shiraz University of medical sciences (SUMS)**

Doctor of Medicine Degree 2007-2013

The founder of medical students research club in SUMS

Thesis: ZrO<sub>2</sub> as a bio-compatible material for circulatory paths

2014- 2019

**Neurosurgery residency at SUMS**

- Top ranked board certified from Iranian board of neurosurgery
- Thesis: The long term follow up protocol for the adult chronic subdural hematoma: the DEXAPRIL study
- Acted as an adviser and consultant as the chief resident of neurosurgery in Shiraz university of medical sciences(SUMS)
- Acted as the committee member of the Hospital's Quality Assurance Program
- Participated in Medical Humanities and Ethical Pathway Program

## Teaching Experiences

Jul. 2020 – present

Shiraz University of Medical Sciences (SUMS)

- Pediatric neurosurgery and general neurosurgery
- Fundamentals of Artificial Intelligence (AI) in neurosurgical sciences
- Research methods.

Jul. 2020- present:

Fasa University of medical sciences (FUMS)

- Research methods
- Basics of neuroanatomy for undergraduate medical students

## Research Interests

- Hydrocephalus and CSF physiology
- Slit ventricle syndrome
- Posterior fossa tumors and their related morbidity in pediatric population
- Basics of ANN, DNN and other A.I. algorithms in neurosurgery and TBI
- Pediatric TBI
- Neuroendoscopy and ETVSS shortages and caveats
- Limbic system and it's evolutionary basis
- Developing a new concept rather than GCS, I called it GCS-4 study

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## Computer Skills

Programming Languages	Simple segmentation and image processing algorithms
General	MS Word, MS PowerPoint, MS Excel, MS Windows

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## Honors and Awards

- Among the top 2 % of participants in national university entrance exam
- Ranked 100<sup>th</sup> between 20000 participants in national residency entrance exam
- Top ranks holder in National Iranian board of neurosurgery
- Selected member of students committee for foreign affairs to meet the Kuwait selected students 2003-2004

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## Languages

English	Full professional proficiency
Persian	Native
Arabic	Basic

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## Publications

- 1. Masoudi MS, Rezaei E, Tahmouresi A, Rezaei M, Taleghani S, Zoghi S, **Taheri R**. Prediction of 6 months endoscopic third ventriculostomy success rate in patients with hydrocephalus using a multi-layer perceptron network. *Clin Neurol Neurosurg*. 2022 Aug;219:107295. doi: 10.1016/j.clineuro.2022.107295. Epub 2022 May 16. PMID: 35751962.
- 2. Ahrari I, Jamali M, Mohammadi S, Ghavipisheh M, Eghbal K, Saffarian A, et al. Spontaneous idiopathic spinal subdural hemorrhage in a 16-year-old boy: The 1st case report in pediatrics and review of literature. *Authorea Prepr*. 2022;
- 3. Costenbader K, Huda F, Shand M, Brown D, Kraus M, **Taheri R**. Small subdural hemorrhages: Does size of intracranial hemorrhage impact symptoms after discharge? *Am J Emerg Med*. 2021;47:223–7.
- 4. Jamali M, Goorakani Y, Solat N, **Taheri R**, Ghahramani S. Outcome Evaluation of Patients with Burst Thoracolumbar Fractures: A Case Series. *Arq Bras Neurocir Brazilian Neurosurg*. 2018;37(04):304–8.
- 5. Masoudi MS, Farzadmanesh MJ, Paroo Z, **Taheri R**. Epilepsy surgery in tuberous sclerosis: An overview of neurosurgical concerns in a low-income country.
- 6. MASOUDI MS, **TAHERI R**. COMPLEX CEREBROVASCULAR LESIONS IN CHILDREN. 2016;
- 7. Masoudi MS, **Taheri R**, Liaghat A. Dealing with a Pediatric Posterior Fossa Tumor after COVID-19 Infection: Report of One Case. *Arq Bras Neurocir Brazilian Neurosurg*. 2022;
- 8. Masoudi MS, **Taheri R**, Zoghi S. Predictive Factors for Postoperative Tracheostomy Requirement in Children Undergoing Surgical Resection of Medulloblastoma. *World Neurosurg*. 2021;150:e746–9.
- 9. Masoudi MS, Yousefi S, Yousefi O, Azami P, **Taheri R**, Hoghoughi MA. Trigenocephaly: Quantitative comparison of the complete vault reconstruction and minimally invasive suturoctomy. *World Neurosurg*. 2022;
- 11. Masoudi MS, Zoghi S, Hosseini A, **Taheri R**. Endoscopic fenestration of huge Cavum veli interpositi cyst: 2-Dimensional Operative Video. *Authorea Prepr*. 2022;

- 12. Niakan A, Khalili HA, **Taheri R**. The Long-Term Prospective Follow up Protocol for the Treatment of Chronic Subdural Hematoma: A Dexapril Study. 2021;
- 13. Paydar S, Alizadeh M, **Taheri R**, Mousavi SM, Niakan H, Hoseini N, et al. The prevalence of pain and the role of analgesic drugs in pain management in patients with trauma in emergency department. *Acad J Surg*. 2015;2(3-4):45-51.
- 14. Paydar S, Pourahmad S, Azad M, Bolandparvaz S, **Taheri R**, Ghahramani Z, et al. The evolution of a malignancy risk prediction model for thyroid nodules using the artificial neural network. 2016;
- 15. Rafeemanesh E, Lotfi H, **Taheri R**, Rahimpour F. The role of occupational examinations in early diagnosis of diseases of workers. *Iran Occup Heal*. 2013;10(3):12-9.
- 16. Taghipour M, Jamali M, Rahimi S, Kamran H, Safaei N, Zoghi S, et al. In Reply to the Reply to the Letter to the Editor Regarding " Postexercise Death Due to Hemorrhagic Colloid Cyst of Third Ventricle: Case Report and Literature Review". *World Neurosurg*. 2021;156:159.
- 17. Taghipour M, Jamali M, Taherpour S, Safaei N, Rahimi S, Kamran H, et al. Letter to the Editor Regarding " Postexercise Death Due to Hemorrhagic Colloid Cyst of Third Ventricle: Case Report and Literature Review". *World Neurosurg*. 2021;153:149-52.
- 18. **Taheri R**. Review on common polymers in fabrication of artificial vessels used in vascular surgery and dialysis. *Med J mashhad Univ Med Sci*. 2016;59(5):363-71.
- 19. Zoghi S, Feili M, Mosayebi MA, Afifi MA, Feili A, Masoudi MS, et al. Surgical Outcomes of Myelomeningocele Repair: a 20-Year Experience from a Single Center in a Middle-Income Country. *medRxiv*. 2021;

## Extracurricular Activities

- Reading books
- Watching movies
- Listening to music
- Doing sport
- Film criticism
- Professional PS5 player

## References

Mousa Taghipour MD	Professor of neurosurgery and skull base surgery, SUMS, taghipom@sums.ac.ir
Bizhan Aarabi MD, FRCSC	Professor of Neurosurgery, Director of Neurotrauma, University of MARYLAND medical school, baarabi@som.umaryland.edu
Majid R. Farrokhi MD	Professor of Neurosurgery, Neurospine fellowship, head of SUMS neurosurgery department, farokhim@sums.and.ir
Hossein A. Khalili MD	Associate professor of neurosurgery, Director of neurotrauma, SUMS, khalilih16@gmail.com
Mohammad S. Masoudi MD	Assistant professor of neurosurgery, fellowship of pediatric neurosurgery, SUMS, masoudims@gmail.com

