



# SWAROOP GOPAL

SENIOR CONSULTANT & DIRECTOR NEUROSCIENCES, SAKRA WORLD HOSPITAL, BANGALORE

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### Birth Date

16 Dec 1964

### Nationality

INDIAN

## SKILLS

Neurovascular Surgery, Complex Aneurysms, AVM, Bypass Procedures, Cervical Carotid Surgery

Endovascular Neurosurgery

Neuroendoscopy

General Neurosurgery Including Tumor Surgeries, Basic Spine Procedures, Trauma, Stereotaxy

## LANGUAGES

## PROFILE

Neurosurgeon with about 28 years of professional experience. Have performed more than 15000 neurosurgical procedures including neurointerventions.

Vascular & Endovascular neurosurgery is my main interest.

Associated with the DNB neurosurgery program since 1994 and have several publications in national and international journals.

Presently working as a Senior Consultant and Director, Sakra Neurosciences and as a Honorary visiting Professor, Hokkaido University, Sapporo, Japan.

### Licensure :

- Karnataka Medical Council (Permanent) KMC 27283
- General Medical Council (UK) Temporary 1996-1998.

## EDUCATION

### MCh Neurosurgery, NIMHANS

BANGALORE | 1988 - 1993

### MBBS, Bangalore Medical College & University

BANGALORE | 1982 - 1988

## EMPLOYMENT HISTORY

### Senior Consultant & Director, Neurosciences, Sakra World Hospital

BANGALORE | 2014 - Present

Sakra World Hospital is a fully owned Japanese Hospital in India established in 2014 by Secom & Toyota Inc and is a 250 bedded tertiary care center with all modern facilities.

Modular OT's, Neuronavigation, Operating microscopes, Neuro Endovascular suite, Neuroendoscopy, IONM, 3T MRI, and 128 slice CT.

### Senior Consultant Neurosurgeon , Manipal Hospital

BANGALORE | 2000 - 2014

Former Head of the Department

### Junior Consultant Neurosurgeon, Manipal Hospital

BANGALORE | 1998 - 2000

### International Cancer Research Foundation Fellow,

English

Kannada

Tamil, Hindi, Telugu, Malayalam,  
Bengali

French

## Edinburgh University

Edinburgh, Scotland | 1996 – 1998

### Senior Registrar, Western General Hospital

Edinburgh, Scotland | 1996 – 1998

### Research Fellow (Hargobind Foundation), Western General Hospital

Edinburgh, Scotland | 1995 – 1996

### Associate Consultant Neurosurgeon, Manipal Hospital

BANGALORE | 1993 – 1995

## COURSES

### ECFMG Certification, ECFMG

1997 – Present

### Scottish Training Committee course, Institute of Biology, Scotland

1995 – Present

### IELTS Score 8,5, Cambridge, UK

1995 – Present

### ECFMG English Test , ECFMG

1998 – Present

## AWARDS & HONORS

### Cordis Neuroendovascular Fellowship

Savannah, Georgia | 2005 – 2005

### Scottish Neurosciences Travelling Fellowship

Edinburgh, Scotland | 1998 – 1998

### International Cancer Research Foundation Fellowship

Edinburg, Scotland | 1996 – 1998

### Hargobind Foundation Fellow

Edinburgh, Scotland | 1995 – 1995

### Rotary Club (Bangalore South) Gold medal

BANGALORE | 1994 – Present

### Silver Jubilee Gold medal NIMHANS

BANGALORE | 1993 – Present

## **AFFILIATIONS**

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### **Life Member, Neurological Society of India**

INDIA | 1993 - Present

### **Life Member, Indian Association of Pediatric Neurosurgery**

INDIA | 1993 - Present

### **Life Member, SNVI**

INDIA | 2015 - Present

## **PUBLICATIONS**

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2021 - 1996

**The effectiveness of cement augmentation in kyphosis correction of dynamically loaded osteoporotic vertebral fractures: A retrospective case series**

**R Govindasamy, S Gopal, S Rudrappa Interdisciplinary Neurosurgery 23, 100978, 2021.**

**Multimodal Intraoperative Neurophysiological Monitoring in Spine Surgeries: The Experience at a Spine Centre through Years.**

**D Rajappa, MM Khan, D Masapu, R Manchala, S Rudrappa, S Gopal, Asian Spine Journal, 2020.**

**Isolated carotid webs—An uncommon cause of recurrent strokes**

**S Ganapathy, S Gopal**

**Indian Journal of Neurosciences 4 (1), 41-42, 2020.**

**Arterio-venous fistulae of the neuraxis: an institutional experience. S Ganapathy, S Gopal, P Paritosh**

**Neurology and Neurorehabilitation 2 (4), 2-82020.**

**Somatosensory Evoked Potentials as a Useful Tool to Limit the Temporary Clipping Time during Aneurysm Clipping**

**D Rajappa, D Masapu, S Gopal, S Rudrappa**

**Journal of Neuroanaesthesiology and Critical Care, 2020.**

**An Aggressive Approach To An Aggressive Tumor—Role Of Multimodality Treatment In Brainstem Glioma**

**PS Sridhar, K Roopesh, P Anuradha, M Deputy, V Muttagi, A Bharathan, International Journal of Radiation Oncology, Biology, Physics 108 (3), e725, 2020.**

**Endoscopic Versus Open Cranial Reconstruction Surgery for Anterior Craniosynostosis: Experience from South-East Asia**

**DA Mendonca, S Gopal, R Gujjalanavar, V Deraje, S HR, V Ramamurthy**

**FACE 1 (2), 105-113, 2020.**

**Is Transoral Surgery Still a Relevant Procedure in Atlantoaxial Instability?**

**R Govindasamy, V Preethish-Kumar, S Gopal, S Rudrappa**

**International Journal of Spine Surgery 14 (5), 657-664, 2020.**

**Unstable Hangman's fracture complicated by Vertebral-Venous fistula  
Surgical considerations & Review of literature.**

**VS Chander, R Govindasamy, S Rudrappa, S Gopal**

**World Neurosurgery, 2020.**

**Endoscopic assisted craniostomy surgery experience from South-East Asia.**

**D Mendonca, V Ramamurthy, S Gopal, P Kumar, R Gujjalanavar. Journal of Plastic, Reconstructive & Aesthetic Surgery, 2020.**

**Craniosynostosis-A Case Series and a Brief Review of Literature.**

**S Ganapathy, S Gopal.**

**Ann Neurol Surg, 4 (1) 1021, 2020.**

**Self-expanding oesophageal metallic stent related spinal infection-A difficult case with literature review.**

**R Govindasamy, A Sekar, S Rudrappa, S Gopal, G Behera. Interdisciplinary Neurosurgery 20, 100663, 2020.**

**Adenosine induced cardiac pause in neuroendovascular management of AVM with fistula.**

**S Gopal, A Sekar, S Rudrappa, D Masapu. Interdisciplinary Neurosurgery 20, 100662, 2020.**

**Stent-assisted aneurysm coiling of a complex A1-A2 aneurysm: A technically demanding but useful procedure in complex intracranial aneurysms.**

**S Gopal, S Ganapathy. Journal of Cerebrovascular Sciences 8 (1), 64, 2020. Coma and Consciousness. S Gopal, S Ganapathy, Academia.edu 2020. Endovascular management of basilar artery perforator aneurysm- Insights. A Sekar, S Gopal, S Rudrappa, HR Sunil, D Masapu. Interdisciplinary Neurosurgery 18, 1005331, 2019.**

**Survival Analysis of GBM Patients Treated with SIB Chemoradiotherapy Followed By SBRT-CK BOOST.**

**PS Sridhar, K Roopesh, GH Abilash, SA Shubha, S Rita, MR Senapati, International Journal of Radiation Oncology, Biology, Physics 105 (1), E109-E110, 2019.**

**Rosette-Forming Glioneuronal Tumor in Opticohiasmatic Region Novel Entity in New Location.**

**A Sekar, S Rudrappa, S Gopal, N Ghosal, A Rai. World neurosurgery 125, 253-256, 2019.**

**Evaluation of clinical and radiological outcome of disk preserving functional cervical disk surgery.**

**SJ Mangshetty, A Gangannavar, S Rudrappa, S Gopal. Int J Neurol Neurosurg 2020;12(1):15-20.**

**Evaluation of functional outcome of microsurgical management of lumbar canal stenosis.**

**SJ Mangshetty, A Gangannavar, S Rudrappa, S Gopal. Int J Neurol Neurosurg 2020;12(4):177-181.**

**Endoscopic-assisted craniosynostosis surgery: First case series in India. DA Mendonca, V Ramamurthy, S Gopal, RS Gujjalanavar. Journal of Cleft Lip Palate and Craniofacial Anomalies 6 (1), 232, 2019. ODONTOID FRACTURES.**

**S Ganapathy, S Gopal. International Journal of Research-GRANTHAALAYAH 6 (11), 409-426,2018.**

**Preoperative Cytoreduction of Clival Giant Cell Tumor: An Effective Replication of the Systemic Modality in the Skull Base.**

**A Sekar, S Rudrappa, S Gopal, N Ghosal, V Gupta. World neurosurgery 119, 97-102,2018.**

**Dynamic MRI of the Cervical Spine—An Important Tool in Planning Surgical Treatment of Cervical Compressive Myelopathy.**

**S Ganapathy, V Tukapuram, N Godhani, S Gopal. International Journal of Neurosurgery 2 (1), 17,2018.**

**Giant cervical ICA aneurysm: An unusual cause of recurrent strokes—A case series and management algorithm.**

**S Ganapathy, S Gopal, T Lingaraju. IP Indian Journal of Neurosciences 4 (2), 86-89,2018.**

**Isolated cauda equina metastasis from renal cell carcinoma—A rare cause of intradural-extramedullary compression.**

**S Ganapathy, S Gopal, N Godhani, A Raju. Indian Journal of Neurosciences 4 (2), 82-85,2018.**

**Cyberknife Robotic Radiosurgery for Bilateral Acoustic Schwanomas—HCG experience.**

**SP Susheela, R Krishnappa, PK Marimuthu, PK Karumanchi, M Gupta, S Gopal.**

**Radiotherapy and Oncology 127, S682-S683,2018.**

**Partial sacrectomy for sacral chordomas: A surgical perspective.**

**S Rudrappa, VR Tukapuram, R Govindasamy, S Gopal, D Masapu. Journal of Spinal Surgery 5 (1), 29,2018.**

**Lumbar pseudomeningocele presenting as decerebrate rigidity—A rare case entity.**

**S Rudrappa, R Govindasamy, VR Tukapuram, S Gopal. International journal of surgery case reports 47, 41-445,2018.**

**C1 Arch Reconstruction—A Novel Alternative to Fusion in Maintaining Mobility of the Atlanto-Axial Joint.**

**S Ganapathy, TV Ramakrishna, S Gopal.**

**J Spine Neurosurg 5-7, 2; 2018.**

**Silicone oil in optic chiasm: case report and review of the literature.**

**MP Shanmugam, S Gopal, R Reddy, R Ramanjulu, DKC Mishra, P Sagar.**

**Journal of VitreoRetinal Diseases 1 (4), 270–277,2017.**

**Cyber knife for Idiopathic Trigeminal Neuralgia–Novel technique to reduce brainstem dose.**

**PS Sridhar, N Madhusudhan, K Roopesh, H Madhusudhan, R Satish, S Gopal. Radiotherapy and Oncology 123, S608, 2017.**

**Anaphylaxis during intraoperative indocyanine green angiography: A complication to watch out.**

**MNC Swamy, SR Gopal.**

**Journal of Neuroanaesthesiology and Critical Care 3 (03), 274–275,2016.**

**Out-patient brain tumor surgery.**

**S Rudrappa, S GopalNeurology India 64 (5), 875, 2016.**

**Atypical ossifying fibromyxoid tumor in left maxillo-ethmoid sinus with intracranial extension in a child.**

**N Ghosal, S Rudrappa, AS Tandon, P Rao, S Gopal. Clinical neuropathology 35 (5), 329, 2016.**

**Tumor-induced Osteomalacia Due to Phosphaturic Mesenchymal Tumor, Mixed Cell Type, of the Sphenoid Bone.**

**CV Harinarayan, S Gopal, C Puttaswamygowda, KP Adnan, N Ghosal, AACE Clinical Case Reports 2 (4), e290–e295,2016.**

**Case series of three-dimensional printing technology applied in complex craniofacial deformity surgery.**

**DA Mendonca, V Deraje, RS Gujjalanavar, S Gopal.**

**Journal of Cleft Lip Palate and Craniofacial Anomalies 3 (2), 884,2016.**

**FINAL RESULTS OF OPEN-LABEL, DOSE CONFIRMATION STUDY OF INTERSTITIAL COTARA (131I-chTNT-1/b MAb) FOR THE TREATMENT OF GLIOBLASTOMA MULTIFORME (GBM) AT FIRST RELAPSE.**

**W Shapiro, S Gopal, K Judy, S Patel, A Mahapatra, J Shan, D Gupta.**

**Neuro-oncology 15 (suppl3)2013.**

**Open-label, dose confirmation study of interstitial 131I-chTNT-1/b mab for the treatment of glioblastoma multiforme (GBM) at first relapse: Interim results.WR Shapiro, D Gupta, AK Mahapatra, S Gopal, K Judy, SJ Patel, J ShanJournal of Clinical Oncology 29 (15suppl), 2035–2035,2011.**

**Tuberculosis Spine: Management Strategies in a Developing Country. D Srinivas, V Neelamkrishna, S Gopal, S Rangappa. The Spine Journal 6 (5), 160S1, 2006. Aplasia cutis congenita of the scalp: therapeutic modalities.**

**SK Shivakumar, S Dwarakanath, G Swaroop, NK Venkataramana. Neurology India 54 (3), 312, 2006.**

**Delayed sequential multiple extradural hematomas–Case Report and Review of Literature.**

**S Dwarakanath, S Gopal, R Satish, NK Venkataramana. Indian Journal of Neurotrauma 3 (01), 55–571, 2006. Spontaneous spinal extradural hematomas. D Ravi, S Dwarakanath, R Satish, S Gopal, NK**

Venkataramana. *Journal of clinical neuroscience* 13 (2), 269–272,2006.

**White cerebellum sign–A case report and review of literature.**

S Dwarakanath, A Bansal, S Rudrappa, S Gopal, NK Venkataramana.

*Journal of Pediatric Neurosciences* 1 (3), 226,2006.

**Management of complex intracranial aneurysms under low-flow state and deep hypothermia: Rationale and results.**

NK Venkataramana, GR Swaroop, S Dwarkanath, R Satish, AS Hegde. *Indian Journal of Cerebrovascular Surgery* 1 (2), 80–85, 2005. **Tuberculosis spine presentation and management strategies.** D Srinivas, V Neelamkrishna, S Gopal, P Krishna.

*The Spine Journal* 5 (4), S731,2005.

**Molecular mechanisms underlying dexamethasone inhibition of iNOS expression and activity in C6 glioma cells.**

J Shinoda, KE McLaughlin, HS Bell, GR Swaroop, SI Yamaguchi. *Glia* 42 (1), 68–76, 2003.

**The effects of dexamethasone therapy on permeability, blood flow and iNOS expression in experimental glioma.**

GR Swaroop, PAT Kelly, MC Holmes, J Shinoda, IR Whittle. *Journal of clinical neuroscience* 8 (1), 35–39, 2001.

**Effects of nitric oxide modulation on tumour blood flow and microvascular permeability in C6 glioma.**

GR Swaroop, GP Malcolm, PAT Kelly, I Ritchie, IR Whittle. *Neuroreport* 9 (11), 2577–2581, 1998.

**Effects of nitric oxide manipulation on the disposition of platinum in an experimental glioma model.**

GP Malcolm, DI Jodrell, A MacLellan, GR Swaroop, PAT Kelly, IR Whittle.

*Neuroreport* 9 (2), 181–185, 1998.

**Nitric oxide synthase activity in human glioblastoma: a histochemical study.**

GR Swaroop, IR Whittle.

*Neurology India* 46 (1), 23–27, 1998.

**Exophytic pontine glioblastoma mimicking acoustic neuroma.**

GR Swaroop, IR Whittle.

*Journal of neurosurgical sciences* 41 (4), 409–411, 1997.

**Bradykinin and Nitric Oxide Manipulation Alters Blood Flow and Capillary Permeability in Rat Glioma Model.**

GR Swaroop, PA Kelly, GP Malcolm, IM Ritchie, IR Whittle. *Journal of Cerebral Blood Flow and Metabolism* 17 (1), 404–404, 1997.

## **HOBBIES**

Travel, Movies, 80's music.