

DR. BISWARANJAN NAYAK

Consultant - Neurosurgery

Qualification

MBBS | D.ORTHO | MS | DNB (NEUROSURGERY)

Overview

Dr. Biswaranjan Nayak is a distinguished consultant in Neurosurgery and is renowned for his excellence & expertise in the field. He brings forth a wealth of knowledge & experience to patient care at Manipal Hospital Bhubaneswar, Odisha. With more than 10 years of experience in the field, Dr. Nayak completed his medical degrees MBBS, D.Ortho, MS (General Surgery), DNB (Neurosurgery), followed by advanced fellowships including AO Spine Asia Pacific Fellowship, Fellowship in Neuroendoscopy, and Park Neurosurgery Fellowship from prestigious institutions, along with specialised training in endoscopic spine surgery from Seoul and robotic spine surgery from Shanghai. Dr. Nayak has served at numerous medical & academic institutions, dedicating himself to acquiring advanced knowledge in his field. His expertise spans a wide range of intricate neurosurgical interventions with particular emphasis on spine deformity correction, minimally invasive spine surgery, CV junction surgery, endoscopic brain & spine surgery, pediatric neurosurgery, minimally invasive brain & spine tumour surgery, brain & spine trauma, brain stroke, epilepsy surgery, and navigation-guided brain & spine surgery. Dr. Nayak has also

contributed immensely to medical research, enabling him to publish 26+ peer-reviewed journals & present numerous topics at various national & international forums, including WFNS Dubai 2025, Global Spine Congress Bangkok 2024, and ASSICON 2025. His proficiency includes performing complex spine deformity corrections, minimally invasive procedures using neuroendoscopy & navigation systems, pediatric neurosurgical interventions, trauma management, stroke surgeries, epilepsy resections, and advanced tumour resections, thereby offering comprehensive care to his patients. He is also proficient in multilingual patient communication, speaking English, Hindi, Odia, and Bengali, providing guidance & counselling for neurological conditions and rehabilitation.

Fellowship & Membership

- Ao Spine Asia Pacific Fellowship
- Fellowship In Neuroendoscopy
- Park Neurosurgery Fellowship
- Trained In Endospic Spine Surgery In Seoul
- Traind In Robotic Spine Surgery In Shanghai

Field of Expertise

- Spine Deformity
- Minimally Invassive Spine Surgery
- Cv Junction Surgery
- Endoscopic Brain And Spine Surgery
- Paediatric Neurosuery
- Minimally Invassive Brain And Spine Tumor Suergy
- Brain And Spine Trauma
- Brain Stroke
- Epilepsy Suergery

- Navigation Guided Brain And Spine Surgery

Languages Spoken

- English
- Hindi
- Odia
- Bengali

Awards & Achievements

- Best paper award for paper presentation for RESULTS OF EARLY VERSUS DELAYED DECOMPRESSION FOR TRAUMATIC CERVICAL SPINAL CORD INJURY: A SINGLE CENTER PROSPECTIVE STUDY- BHUBANESWAR- NEUROVISION ODISHA -2016.
- Best poster award (2nd prize) for NEUROVASCON-2019.
- Best Poster award in NSSA-2023 Several certificates for presentation for international, national and state conferences.

Talks & Publications

- Clinical outcome of single-stage decompression and posterior stabilization in thoracolumbar spinal tuberculosis SK Patro, B Nayak, BH Krishnamurthy, A Kumar, D Biswal, PK Sahoo Indian Journal of Neurosurgery 10 (03), 183-189.
- Meningeal Rosai-Dorfman Disease Presenting as an Intracranial Mass–Report of a Case with Review of the Literature : Pattnaik, R Parmar, B Nayak, NY Sampat, S Jha, MR Jena, LM Barik :International Journal of Surgical Pathology, 10668969221102615.
- Cognitive and Functional Outcomes of Early Versus Delayed

Cranioplasty after Decompressive Craniectomy;A Kumar, B Nayak, SK Patro, B Singh, HB Nayak, D Shukla, D Biswal,;Indian Journal of Neurotrauma 15 (01), 029-035.

- Results of Early Versus Delayed Decompression for Traumatic Cervical Spinal Cord Injury: A Single Center Prospective Study;B Nayak, A Kumar, SK Patro, PK Sahoo, D Biswal, A Chandankhede ;Indian Journal of Neurotrauma 15 (01), 023-028.
- Management of chronic subdural hematoma: Burr hole versus twist drill–A prospective study RK Goyal, B Nayak, R Maharshi, DD Bidhar, S Panchal, HC Pathak, Asian journal of neurosurgery 13 (2), 319.
- Management of chronic subdural hematoma: Burr hole versus twist drill–A prospective study RK Goyal, B Nayak, R Maharshi, DD Bidhar, S Panchal, HC Pathak, Asian journal of neurosurgery 13 (2), 319.
- Granulomatous hypophysitis – A rare pathology: Review of three cases PKS Biswaranjan Nayak, Ram Kumar Goyal, Rajiv Maharshi, Debabrata Biswal Neurology India 64 (2), 343-345.
- Cavernous malformation in the conus medullaris: A rare report - DB Ram Kumar Goyal, Biswaranjan Nayak, Rajiv Maharshi- NEUROLOGY INDIA 64 (4), 821-823.
- Neglected Recurrent Scalp Sinus: Calvarial Tuberculosis with Intracranial and Extracranial Extension KB Holeppagol, BN Nayak, RKK Goyal, AK Kumar, PK Sahoo, D Biswal ,World Neurosurgery- February2017 volume98, pages 879.
- Craniocervical junction tuberculosis: Usual pathology at an unusual site; B Nayak, S Patnaik, PK Sahoo, D Biswal Surgical neurology international 2015; 6: 115.
- Nayak B, Patnaik S, Sahoo PK, Biswal D. Craniocervical junction tuberculosis: Usual pathology at an unusual site. Surg Neurol Int 02-Jul-2015;6:115-7.
- Intramuscular Arteriovenous Hemangioma of Thigh: A Case

Report and Review of Literature -NM BISWARANJAN NAYAK, SANJEEV PATNAIK, PRAVEEN KUMAR JOURNAL OF ORTHOPEDIC CASE REPORTS 6 (5), 20-23.

- Management of complex diabetic foot wound by external fixation: An effective way for limb salvage - RRD Biswaranjan Nayak1 , Kailash Chandra Mahapatra2 Journal of Health Specialties / / Vol 4 | Issue 2 4 (2), 5.B Nayak, RR Dash, BN Mallik , Multiple vitello-intestinal duct anomalies in apediatric patient: A rare case report. BNM Biswaranjan Nayak, Rashmi Rani Dash. Oncology, Gastroenterology and Hepatology Reports 4 (1), 30-31 2015.
- Perforated Meckel's diverticulum as a result ofgastrointestinal stromal tumor presenting as acute abdomen: A rare case report.B Nayak , Oncology, Gastroenterology and Hepatology Reports 4 (1), 26, 2015.
- Nayak B, Das RR, Mallik BN, Mohapatra KC. Acute suppurative thyroiditis in pre-existing goiter in diabetic patients. Int J Health Allied Sci 2014;3:180-3.
- Nayak B, Dash RR, Mallik BN. Round worm in common bile duct, a rare pathology: Review of 15 cases. J Health Spec 2014;2:174-6.
- Ankle and foot tuberculosis : a diagnostic dilemma – journal of family medicine and primary care , april-june ;2014.
- Spontaneous intracranial extradural hematoma in a patient with chronic kidney disease : a rare case repor- in review.
- Cerebral solitary plasmacytoma: a rare case report- accepted in Indian journal of neurosurgery- will be published next edition IJNS.
- CLINICAL OUTCOME OF SINGLE STAGE DECOMPRESSION AND POSTERIOR STABILIZATION IN DORSOLUMBAR SPINAL TUBERCULOSIS- accepted for Indian journal of neurosurgery.
- Acute spinal cord compression due to chloroma as the initial presenting feature of acute myeloid leukemia- will be published

next edition IJNS.

- Cerebral solitary plasmacytoma: a rare case report- accepted in Indian journal of neurosurgery- will be published next edition IJNS.
- CLINICAL OUTCOME OF SINGLE STAGE DECOMPRESSION AND POSTERIOR STABILIZATION IN DORSOLUMBAR SPINAL TUBERCULOSIS- in the review process.
- Acute spinal cord compression due to chloroma as the initial presenting feature of acute myeloid leukemia- will be published next edition IJNS.
- SELLAR ARACHNOID CYST CAUSING VISUAL DEFECT MANAGED BY TRNS-SPHENOIDAL FENESTRATION OF CYST : A RARE CASE REPORT- in REVIEW
- Management Of Kyphotic Deformity – Wfns-2025, Dubai.
- Management Of Complex C2 Fracture – Wfns-2025, Dubai.
- Cv Junction Tuberculosis And Management – Ssocon-2025.
- Steps Of Management Of Kyphosis Correction – Ssocon-2025.
- Osteotomy For Kyphosis Correction Of Ankylosing Spondylitis – World Neuroscience Conclave, Delhi-2025.
- Minimally Invasive Spine (Mis) Fixation Without Decompression In High-grade (A4 Type) Traumatic Thoracolumbar Spine Injury Without.
- Neurological Involvement: Our Experience – Assicon-2025.
- Results Of Early Versus Delayed Decompression For Traumatic Cervical Spinal Cord Injury – Assicon-2025.
- Deformity Correction For Neurosurgeons – Wns-2024.
- Management Of Spinal Cavernoma – Global Spine Congress-2024, Bangkok.
- Management Of Multilevel Cervical Myelopathy – Osscon-2024.
- Deformity Correction For Neurosurgeons – Nssa-2024.
- Posterior C1–c2 Fixation For Complex C2 Fractures – Wfns-2023, Cape Town.
- Results Of Early Vs Delayed Cranioplasty In Traumatic Head

Injury – Wfns-2023.

- Posterior Fixation For Complex C2 Fracture: Our Experience – Apss-2022, Coimbatore.
- Results Of Early Versus Delayed Decompression For Traumatic Cervical Spinal Cord Injury: A Single-center Prospective Study – Award Paper Presentation, Sipine-2017, Delhi.
- Correlation Between Idiopathic Intracranial Hypertension And Polycystic Ovary Disease: An Observational Study – Award Poster Presentation, Nsicon-2017, Nagpur.
- Granulomatous Hypophysitis: A Rare Pathology – Review Of Three Cases – Nssi-2016.
- Results Of Early Versus Delayed Decompression For Traumatic Cervical Spinal Cord Injury: A Single-center Prospective Study – Neurovision Odisha, Bhubaneswar (First Prize – State), 2016.
- Intussusception In Adult: Its Cause, Diagnosis And Management – Iasgo-2012, Bangkok.
- Round Worm In Common Bile Duct: A Rare Cause Of Obstructive Jaundice – Iasgo-2012, Bangkok.
- Clinico-microbiologic Aspects Of Diabetic Foot Infection – Asicon-2012.
- Generalized Abdominal Hydatidosis – Asicon-2012.
- Ankle And Foot Tuberculosis: A Diagnostic Dilemma – Asicon-2011.
- Primary Hydatid Disease Of Spleen: A Rare Case Report – Asicon-2011.
- Primary Lymphoma Of Adrenal: A Rare Case Report – Asicon-2011.
- Giant Cell Tumors With Multiple Skeletal Metastasis – Wboacon-2009.