

# **DR. HARVINDER SINGH CHHABRA**

MBBS, MS (ORTHO)

Chief of Spine Service & Medical Director

**INDIAN SPINAL INJURIES CENTRE**

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**Address**

Office **Indian Spinal Injuries Centre**  
Sector C, Vasant Kunj  
New Delhi. 110 070 INDIA  
Fax +91-11-2689 8810  
Email [issicon@isiconline.org](mailto:issicon@isiconline.org) / [drhschhabra@isiconline.org](mailto:drhschhabra@isiconline.org)

**Date of Birth**

: 24 June 1964

**Qualifications**

- MBBS, MS (Orthopaedics), Post Graduate Certificate Course in Hospital Management – National Institute of Health & Family Welfare.

**Current Designation**

- Chief of Spine Service and Medical Director at Indian Spinal Injuries Centre

**Educational Responsibilites:**

- Faculty (guide) for DNB Fellowship in Spine Surgery accredited by National Board of Examinations, Govt of India. The course is run in only three Centres in India.
- Faculty (Guide) for International Group for Advancement in Spinal Science (IGASS) Fellowship in Spine Surgery
- Faculty (Guide) for Medtronics sponsored 3 months Fellowship in Spine Surgery
- Faculty (Guide) for DNB Orthopaedics accredited by National Board of Examinations
- Examiner for DNB Fellowship in Spine Surgery, DNB Orthopaedics and Bachelors in Physiotherapy Programme.

**White Paper:**

Nominated by Indian Orthopaedic Association for compiling white paper on “Spinal Injury Management in India”. This was presented in the Indian Orthopaedic Association’s Annual Conference in Chennai in November 2003

The White paper was used as a draft for compilation of Asian Spinal Cord Network’s Guidelines on Management of Spinal Cord Injuries

## **Publications**

1. “Autologous mucosal transplant in chronic spinal cord injury – an Indian Pilot Study” accepted for publication in Spinal Cord Journal. Spinal Cord advance online publication 2 June 2009; doi: 10.1038/sc.2009.54
2. Permanent cardiac pacemaker for cardiac arrest following cervico-dorsal spinal injury. Sanghvi AV, Chhabra HS, Nigam V, Tandon V, Mascarenhas AA. Eur Spine J. 2009 Mar 28.
3. Design, development and testing of a low-cost electric powered wheelchair for India. Pearlman J, Cooper R, Chhabra HS, Jefferds A. Disabil Rehabil Assist Technol. 2009 Jan;4(1):42-57.
4. Catecholestrogens: Possible Role in Systemic Lupus Erythematosus. Wahid Ali Khan, Moinuddin, Mohd. Wajid Ali Khan, H S Chhabra under Rheumatology (RHE-09-0049.R1).
5. Spontaneous cervical epidural hematoma: Report of a case managed conservatively. Indian J Orthop. 2008 Jul-Sep; 42(3): 357–359.
6. Lower-Limb Prostheses and Wheelchairs in Low-Income Countries - An Overview; Jon Pearlman, Rory A. Cooper, Marc Krizack, Alida Lindsley, Yeongchi WU, Kim D. Reisinger, William Armstrong, Hector Casanova, Harvinder Singh Chhabra, and Jamie Noon; Engineering in Medicine and Biology Magazine, IEEE; Volume 27, Issue 2, March-April 2008 Page(s):12 - 22
7. How to diagnose urinary tract infection in Spinal Cord Injuries; Dr. Vishal Nigam, Dr. H.S. Chhabra; Indian Journal of Nephrology
8. Easy drainage of presacral abscess. Nigam V, Chhabra HS. Eur Spine J. 2007 Dec;16 Suppl 3:322-5. Epub 2006 Dec 6.
9. Contributed a chapter on “Spinal Injuries” in the book “Status of Disability in India”, published by Rehabilitation Council of India
10. Compiled White Paper on “Spinal Injury Management in India” for Indian Orthopaedic Association. The paper would be published in Indian Journal of Orthopaedics.
11. Compiled “Guiding Principles For Management of Spinal Cord Injuries” for Asian Spinal Cord Network
12. Compiled “Guiding Principles of Prevention in Spinal Cord Injuries” for Asian Spinal Cord Network

## **Under Publication:**

1. Chapter on “Rehabilitation of Spinal Cord Injuries” in Textbook of Orthopaedics by Dr Vijay Kulkarni
2. Chapter on “Rehabilitation of Neglected Spinal Cord Injuries” in Textbook of “Management of Neglected Trauma” by Prof Anil Kumar Jain

## **Member of Editorial Board of**

- Spinal Cord

- Book series titled “The Assistive Technology Research Book Series” created by the Institute of Science, Pittsburgh University

### **Reviewer**

- Indian Journal of Orthopaedics
- Journal of Rehabilitation Council of India, Locomotor & Associated Disabilities Section
- Journal of Neurosurgery

### **Adjunct Instructor**

- Rehabilitation Sciences and Technology in the School of Health and Rehabilitation Sciences, university of pittsburgh

### **Research**

- Member Secretary of INSPIRE – a research project of 3 years (1996-99) organized in collaboration with National Institute on Disability and Rehabilitation Research, Ministry of Education, USA. NIDRR sponsors and coordinates research in the 18 Model Spinal Injury Centre in US. The scope of INSPIRE included:
  - a. Epidemiological study
  - b. Acute Management
  - c. Psychosocial Management
  - d. Organising Workshops & Seminars

a,b,d were especially conducted by self
- Principal Investigator for a Phase II Multi Centric Clinical Trial held for an American Company for the effect of a drug in Chronic Spinal Cord Injuries. The drug has a fast track approval by FDA.
- Principal Investigator for a Phase III Multi Centric Clinical Trial currently being held for an American Company for the effect of a drug in Chronic Spinal Cord Injuries. The drug has a fast track approval by FDA.
- Principal Investigator in a trial on Functional Electrical Stimulation assisted Gait in Spinal Cord Injury being held in collaboration with DRDO.
- Principal Investigator for Linguistic Validation for International Spinal Cord Injury Scale.
- Principal Investigator of a phase III Study on “Effects of Arzoxifence on Vertebral Fracture Incidence and on Invasive Breast Cancer Incidence in Postmenopausal Women with Osteoporosis or with Low Bone Density”.
- Principal Investigator of a study titled “An Adaptive, Multiple Dose, Single Blind, Randomized, Placebo Controlled Pharmacokinetic/Pharmacodynamic Study to Assess the Relationship Between Motor Evoked Potential (MEP) Changes and HP184 Plasma Concentrations in Chronic Spinal Cord Injury Patients”. This will be a single centre study around the world.

- Principle Investigator of a study titled “Evaluation of the Environmental Constraints of Rural and Urban India for Wheeled Mobility” in collaboration with Pittsburgh University.
- Principle Investigator of a study titled “Impact of Assistive Technologies on People with Disabilities in India” in collaboration with Pittsburgh University.
- Principle Investigator of a study titled “A prospective, randomized, single blind, controlled study to assess the efficacy of Surgical vs. Conservative treatment in adult patients with acute spinal cord injury”
- Principal Investigator of a study titled “Development of ICF Core Sets for spinal cord injuries (SCI) – Identification of the most common problems in functioning of individuals with SCI” in collaboration with WHO
- Principal Investigator of a study titled “Adult Autologous Olfactory Mucosal Transplant for Treatment of Traumatic Spinal Cord Injury”. This is the first Indian Council of Medical Research approved human trial in the field of Cellular therapies in Spinal Cord Injury.
- Principal Investigator of a study titled “Laboratory Trials of the Hybrid Power Operated Vehicle (HyPoV)”.
- Principal Investigator of a study titled: “An Observational Study to Assess Back Pain in Patients with Severe Osteoporosis Treated with Teriparatide Versus Antiresorptives”
- Co-Investigator of a study titled “Study of the analgesic effects of repeated doses of F13640 in spinal cord injury patients with moderate to severe central neuropathic pain. A multinational, multicenter, randomized, double blind, parallel groups, placebo-controlled study”
- Principal Investigator of a study title “A Phase III Randomized, Placebo-controlled Clinical Trial to Assess the Safety and Efficacy of IP to Reduce the Risk of Fracture in Osteoporotic Postmenopausal Women Treated with Vitamin D and Calcium”.
- Principal Investigator of a study title “Comparative randomized, single centred clinical trial of pregabalin and gabapentin in patients with peripheral neuropathic pain; back induced”
- Principal Investigator of a forthcoming study titled: “Multicentric Autologous bone marrow Stem cell therapy in patients with spinal cord injury”
- Co-Investigator of a study titled “A prospective phase III, Multicentre, open label study in Indian adults to evaluate the safety and efficacy of Homeopathic Spray in musculo-skeletal Chronic Pain”
- Principal Investigator of a study titled: “Outcome Assessment of Patients who have undergone any form of stem cell treatment for Spinal Cord injury at any Center in India”

#### **Chairman**

- Education Committee of International Spinal Cord Society

**Board Member :**

- International Group for Advancement in Spinal Science (IGASS)

**Member of Board of Governors :**

- Indian Spinal Injuries Centre
- Punjab Regional Spinal Injuries Centre at Mohali
- UP Spinal Injuries Centre at Bareilly
- Orissa Regional Spinal Injuries Centre at Cuttack
- Madhya Pradesh Regional Spinal Injuries Centre
- Kendriya Vidyalaya, Rangpuri, New Delhi

**Council Member :**

- International Spinal Cord Society
- AO Spine India (responsible for reference centers and fellowships)

**Member Secretary :**

- Spinal Cord Society (Indian Chapter)
- Indian Spinal Injuries Centre
- INSPIRE – As Research Project of ISIC with National Institute of Disability & Research, Ministry of Education, USA
- Delhi Spine Society

**Executive Member :**

- Association of Spine Surgeons of India (ASSI)
- Asian Spinal Cord Network (ASCoN)

**Member :**

- Advisory Committee – Institute of Physically Handicapped, New Delhi
- Advisory Committee – Rehabilitation Council of India
- Technical Advisory Group (TAG), Ministry of Social Justice & Empowerment
- Indian Orthopaedic Association
- Delhi Orthopaedic Association
- Delhi Medical Association
- Spinal Cord Society (Indian Chapter)
- Association of Spine Surgeons of India
- International Spinal Cord Society

**Awards :**

- Confers the prestigious award “Order of the star of the Italian solidarity” (OSSI) by the President of the Republic. Italian Deputy Prime Minister and Minister of Foreign Affairs, Hon’ble Massimo D’ Alema in 2007.
- RASHTRIYA RATTAN AWARD for the year 2006 by International Study Circle, A Forum of Intellectuals
- Recognized the distinguished contribution towards development of speciality of orthopaedics on Doctors Day, 1<sup>st</sup> July 2006.

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