



4th Annual Summit Guide



Venue

India Habitat Centre

Lodhi Road, Lodhi Estate, New Delhi-110003, India

Detailed Information

WWW.SPINE20.ORG

Registration





SPINE20 – 2022 | New Delhi

**“One Earth, One Family, One Future
WITHOUT Spine DISABILITY”**

SPINE20 is a global effort to improve spine care by recommending policies to G20 countries and beyond to alleviate the burden of spine disease through various means, such as stimulating better spine health, advancing spine research, enhancing spine innovation pathways, and improving spine care and treatments through policies and government support



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WELCOME ADDRESS

Colleagues, Ladies, and Gentleman

India is not only the land of diversity and opportunity, it is also the land of great history and hospitality. The dynamics of host-guest relationship in India is reflected by the saying “Atithi Devo Bhava (a guest is akin to God)”, which embodies the traditional Indian philosophy of revering guests with the same respect as God. Indian philosophy and culture is also reflected from the phrase ‘Vasudhaiva Kutumbakam’ from the Hindu texts such as Maha Upanishads which means the ‘World is One Family’. Manifesting this true spirit India seeks to play an important role during the opportunity of G20 Presidency by endeavouring to find pragmatic global solutions for the wellbeing of all. 30 societies from across the globe are partner societies of SPINE20 2023.

Welcome to the land of diversity, opportunity, culture, heritage and hospitality for the 4th Annual Summit of SPINE20, a global spine alliance think tank. SPINE20 is an advocacy group founded in 2019 in an effort to improve spine care on a global level through recommending policies to the G20 countries that help them alleviate the burden of spine disease through various means including stimulating better spine health, advanced spine research, enhancing spine innovation pathways and improving spine care and treatments. Various prestigious Spine societies like EUROSPINE, German Spine Society, North American Spine Society and Saudi Spine Society are the founder members.

The theme of SPINE20 2023 is “One Earth, One Family, One Future WITHOUT Spine DISABILITY”. This theme was especially chosen since low back pain is the single leading cause of disability in 160 countries and causes an estimated loss of 800,000 Disability Adjusted Life Years (DALY) globally every year. Economic burden of back pain is estimated between 1% to 2% of the gross national product in Western nations and more than 100 billion dollars annually in the U.S.

Association of Spine Surgeons of India (ASSI), one of the collaborating partner society of Spine20, is the host for this year’s Summit. 13 Spine professional and consumer Societies from all over India have joined hands to make this event a grand success.

On behalf of the Executive and Scientific Program Committees of SPINE20, it would be an honour and a privilege to welcome all esteemed experts and professional societies from all over the world for the SPINE20 2023. We look forward to seeing you all in August.

Let’s join hands to improve Spine Wellness and Care across the globe and especially in underserved areas and to alleviate the burden of Spine disease. We encourage you to regularly visit www.spine20.org for the latest news and updates.



Harvinder S. Chhabra
Chairperson, SPINE20 – New Delhi
August 10-11, 2023

SPINE20 – 2023

Hosting Society

Association of Spine Surgeons of India (ASSI)

Meeting Chairperson

Harvinder S. Chhabra

Co-Chairs

Bambang Darwono

Koji Tamai

Paulo Pereira

Sami AlEissa

SPINE20 Executive Board

EUROSPINE

Margareta Nordin

Thomas R. Blattert

German Spine Society (DWG)

Frank Kandziora

Markus Arand

North American Spine Society (NASS)

William Sullivan

Eric Muehlbauer

Saudi Spine Society (SSS)

Ahmed Alturkistany

Sami I. AlEissa

Association of Spine Surgeons of India (ASSI)

Harvinder S. Chhabra

Brazilian Spine Society (BSS)

Cristiano Menezes

Indonesian Spine Society (ISS)

Bambang Darwono

Italian Spine Society (SICV & GIS)

Giuseppe Costanzo

Japanese Society for Spine Surgery & Related Research (JSSR)

Manabu Ito

SPINE20 Speaker

Margareta Nordin



WHO WE ARE?

G20

The Group of Twenty, or the G20, is the premier forum for international economic cooperation. The G20 brings together the leaders of both developed and developing countries from every continent. Collectively, the G20 economies account for around 90% of the gross world product (GWP), 80% of world trade, two-thirds of the world population, and approximately half of the world land area. Throughout the year, representatives from G20 countries gather to discuss financial and socioeconomic issues.

Historically, the G20 was founded in 1999 at the level of Finance Ministers and Central Bank Governors, the G20 gathered for high level discussions on macro-financial issues. In the wake of the 2008 global financial crises, the G20 was elevated to

include the leaders of member countries. The first G20 Leaders' Summit took place in Washington D.C in November 2008. Consonantly, the G20 agenda expanded beyond macro financial issues, to include socio-economic and development issues.

The presidency of the G20 rotates between member countries every year. The presidency plays a leading role in setting the agenda and organizing the Leaders' Summit, which is attended by the G20 Heads of State or Government. At the Summit, the leaders issue a declaration, or communiqué, based on policy discussions at meetings held throughout the year. In the run-up to the Summit, the presidency hosts several meetings featuring Ministers, senior government officials as well as civil society representatives. At the government



level, the G20 work is organized around the Finance and Sherpa Tracks, while civil society assembles through Engagement Groups.

G20 Members are Argentina, Australia, Brazil, Canada, China, France, Germany, India, Indonesia, Italy, Japan, Republic of Korea, Mexico, Russia, Saudi Arabia, South Africa, Turkey, the United Kingdom, the United States and the European Union.

Several official engagement groups, e.g.; Business 20 (B20), Youth 20 (Y20), Labour 20 (L20), Think 20 (T20), Civil 20 (C20), Women 20 (W20), Science 20 (S20), Urban 20 (U20), Parliamentary 20 (P20), Supreme Audit Institution (SAI20) and many Non-official engagement groups of different interests are carrying out different forms of activities throughout the year in order to provide the leaders during the summit with specific recommendations of their concerns.



The 18th G20 Heads of State and Government Summit will take place in September 2023 in New Delhi, India. The Summit will be the pinnacle of the G20 process and intense work carried out within the Ministerial Meetings, Working Groups, and the different Engagement Groups throughout the year

SPINE20 INITIATIVE

Disorders of the spine with its multiple pathologies and trauma are the number one cause of disabilities that put enormous burden on the economy, back ailments can lead to extreme pain, inability to function, and subsequently job loss. Advocacy, education, and government policies are urgently needed in order to provide a value-based spine care where standardized practice based on best available evidence while controlling the health care cost.

SPINE20 is an advocacy group founded in 2019 by the Saudi Spine Society (SSS), EUROSPINE, the North American Spine Society (NASS) and the German Spine Society (DWG) in an effort to improve spine care on a global level through recommending policies to the G20 countries and beyond that help them alleviate the burden of spine disease through various means including stimulating better spine health, advance spine research, enhancing spine innovation pathways and improving spine care treatments and rehabilitation through policies and support from governments.

SPINE20 is a think tank that would also be in a position to provide governments with the expertise needed to improve spine care around the globe. Developing a clear calendar of activities and form task-force groups to work on forming evidence-based policy recommendations.

The goal is to optimize spine care options for communities and patients worldwide by making recommendations to G20 members and Sherpas. SPINE20 Inaugural Meeting was held prior to the G20 Summit in Riyadh, November 20 – 21 2020. In 2021 SPINE20 was held in Rome, in Bali on 4th to 5th of August 2022, and it will in New Delhi for the year of 2023 on 10-11 August.



How can SPINE20 help governments alliviate burden of spine diseases & disabilities

Serve as resource

for governments and larger institutions (national or international) in spine-related healthcare and prevention.

Advocate

For the prevention of spinal disorders e.g. exercise and education.

Stimulate innovation

To promote spine health.

Advance spine research

Through advocacy for funding to improve our ability to care for patients.

Facilitate access to spine care treatment and rehabilitation

To improve function and decrease disability of spine patients.

What sets SPINE20 apart from other medical societies?

Opening doors for international advocacy

Few other medical society groups have been so proactively engaged in fostering this kind of international advocacy.

Improving spine health care on a global scale

SPINE20's advocacy could result in some significant benefit for our members in various countries and the spine patients we serve.

Founding societies



Partner Societies

Spine related professional society from all over the world that showed an interested in contributing to the SPINE20 initiative by different means, their proposed contribution is subjected to the approval of the executive board as per SPINE20 policies.

Partner Hosting societies for SPINE20 Annual Summits



Italian Spine Society (SICV & GIS)

www.gis-italia.org

SPINE20 2nd Annual Summit
 Rome 2021



Indonesian Spine Society (ISS)

www.indonesianspinesociety.org

SPINE20 3rd Annual Summit
 Bali 2022



Association of Spine Surgeons of India (ASSI)

www.assi.in

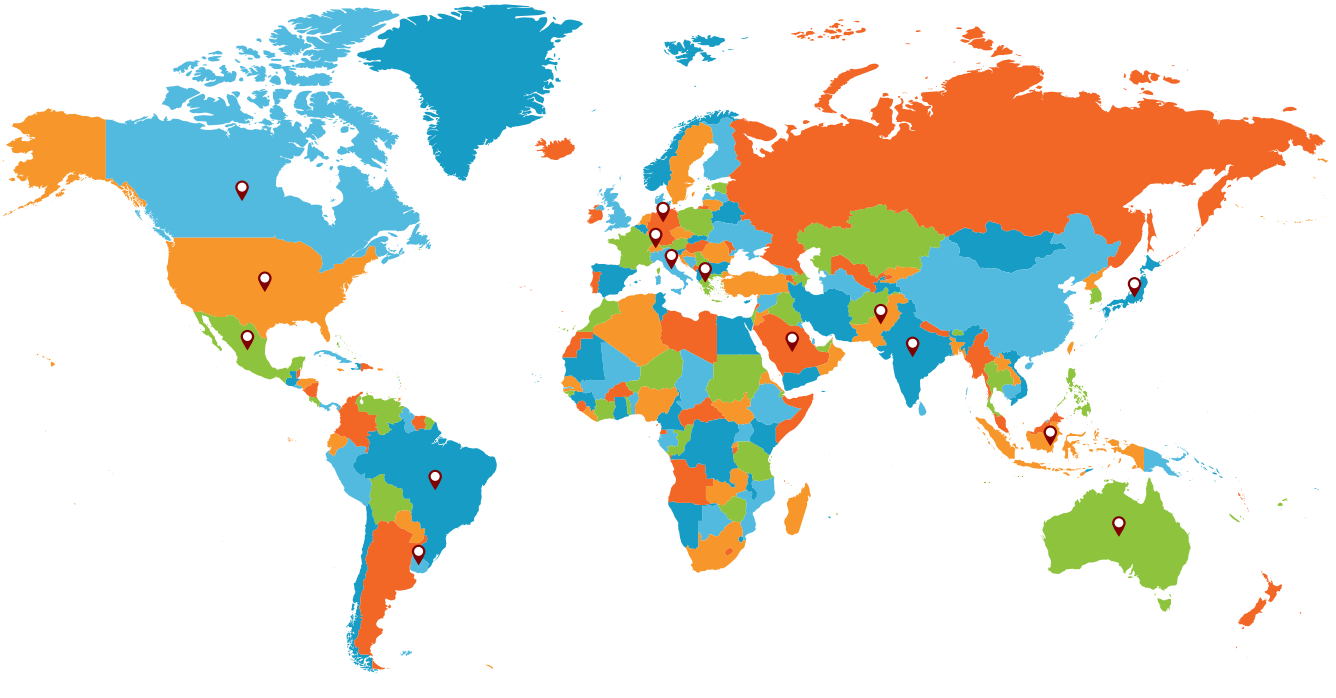
SPINE20 4th Annual Summit
 New Delhi 2023



Brazilian Spine Society (BSS)

<https://www.coluna.com.br>

SPINE20 5th Annual Summit
 Brazil 2024



PROF. MANABU ITO
Chairman, Partnership
Advisory Board



**JAPANESE SOCIETY FOR SPINE SURGERY &
RELATED RESEARCH (JSSR)**

**AUSTRALIAN
PHYSIOTHERAPY
ASSOCIATION**



**ASOCIACION
MEXICANA DE
CIRUJANOS DE
COLUMNA AMCICO**



**SAUDI ASSOCIATION
OF NEUROLOGICAL
SURGERY**



**HELLENIC SPINE
SOCIETY**



**SOCIETY OF SPINE
SURGEONS OF
PAKISTAN**



**SOCIEDAD
IBEROLATINOAMERIC
ANA DE COLUMNA -
SILACO**



**WORLD FEDERATION
OF CHIROPRACTIC**



**THE INDONESIAN
ASSOCIATION OF
PHYSICAL MEDICINE
AND REHABILITATION**



**INDIAN ASSOCIATION
OF PHYSICAL MEDICINE
AND REHABILITATION**



Indian Association of
Physical Medicine
& Rehabilitation

SPINAL CORD SOCIETY



**SPINE SOCIETY DELHI
CHAPTER**



**SOCIETY OF INDIAN
PHYSIOTHERAPISTS**



PATIENT ENTITY

WORLD SPINE CARE



**JAPANESE
ASSOCIATION FOR
PATIENTS WITH
SPINAL LIGAMENT
OSSIFICATION**

**THE SPINAL CORD
INJURY ASSOCIATION**



**THE ASSOCIATION OF
PEOPLE WITH
DISABILITY (APD)**



**INDIAN HEAD INJURY
FOUNDATION**



**THE SPINAL
FOUNDATION**



NINA FOUNDATION



THE ABILITY PEOPLE



**CHANDIGARH
SPINALREHAB**



Chandigarh Spinal Rehab

AMAR SEVA SANGAM



COMMERCIAL ENTITY - EDUCATION FOCUSED

NSPINE



SPINE20 4th Annual Summit
New Delhi | 10 -11 August 2023

**Collaborating
Indian Societies**

COLLABORATING INDIAN SOCIETIES | SPINE20 - NEW DELHI

INDIAN ASSOCIATION OF PHYSICAL MEDICINE AND REHABILITATION



Indian Association of Physical Medicine & Rehabilitation

Representative
Sanjay Pandey

SPINAL CORD SOCIETY



Representative
Ankur Nanda

INDIAN HEAD INJURY FOUNDATION



Representative
Rajendra Prasad

SOCIETY OF INDIAN PHYSIOTHERAPISTS



Representative
Raju K. Parasher

INDIAN ORTHOPAEDIC ASSOCIATION (IOA)



Representative
Ram Chaddha

MINIMALLY INVASIVE SPINE SURGEONS ASSOCIATION OF BHARAT (MISSAB)



Representative
Alok Ranjan

THE SPINAL CORD INJURY ASSOCIATION



Representative
Dawinder Singh

THE ASSOCIATION OF PEOPLE WITH DISABILITY (APD)



Representative
Senthil N S Kumar

SPINE SOCIETY DELHI CHAPTER



Representative
Vikas Tandon

THE SPINAL FOUNDATION



Representative
Komal Kamra

NINA FOUNDATION



Representative
Ketna Mehta

THE ABILITY PEOPLE



Representative
Dilip Patro

CHANDIGARH SPINALREHAB



Chandigarh Spinal Rehab

Representative
Nicky Madan

HOPE HOSPITAL



Representative
Dilip Sinha

BOMBAY SPINE SOCIETY



Representative
Ketan Badani

AMAR SEVA SANGAM



Representative
Sankar Raman

ALL INDIA OCCUPATIONAL



Representative
A K Srivastava

SPINE WELLNESS AND CARE FOUNDATION



Representative
Maninder Kaur Chhabra

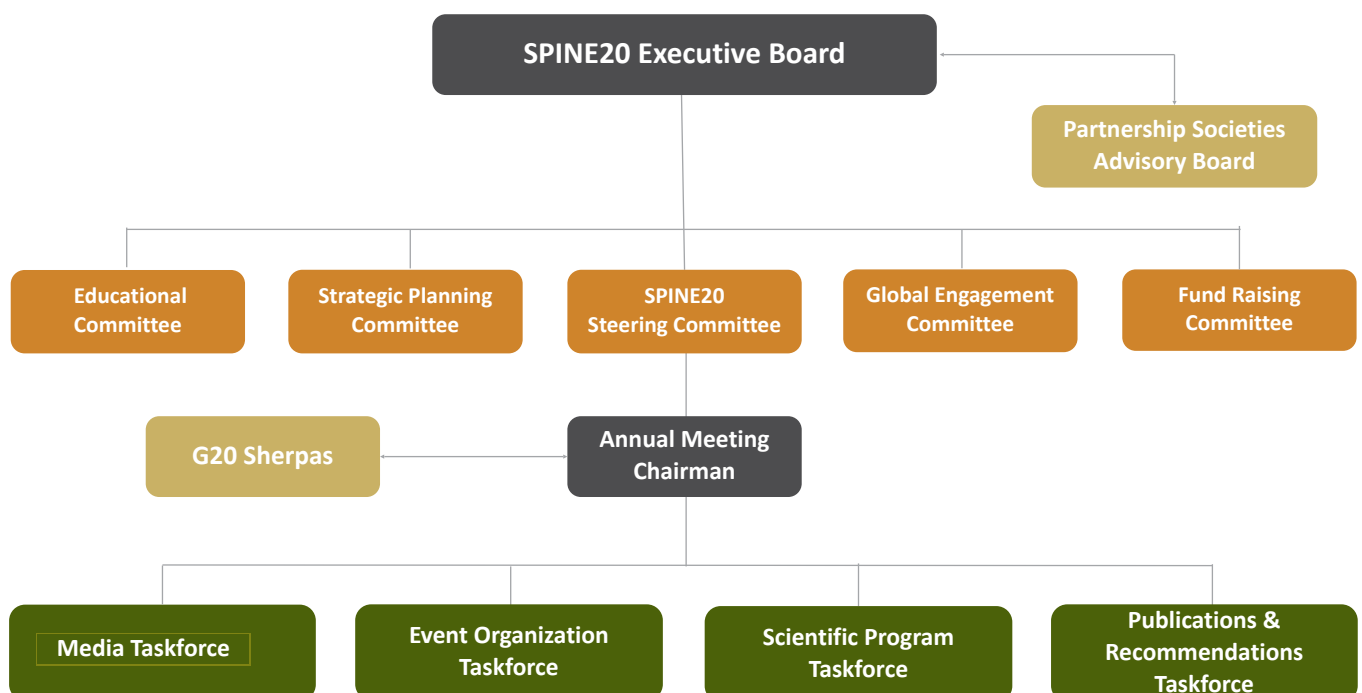
SPINE20 Organizational Structure

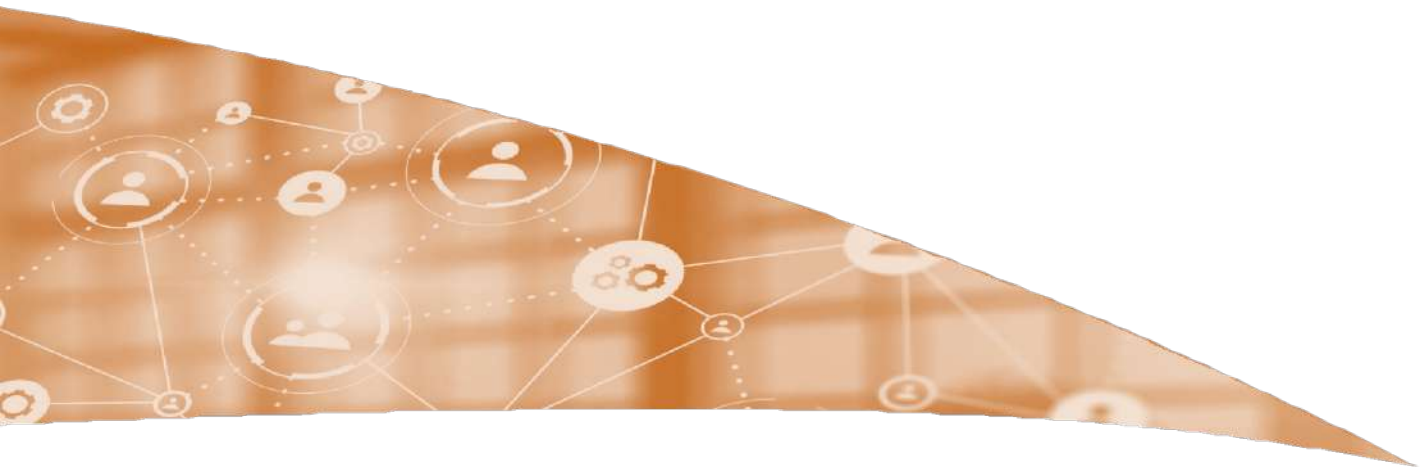
SPINE20 Executive Board is made up of 12 members:

- Eight members from the founding societies, two members from each ; SSS, EUROSPINE, DWG, NASS
- Three members from hosting partner societies, one from each; SICV & GIS (Host 2021), ISS (Host 2022), ASSI (Host 2023) and BSS (Host 2024).
- One member from the Partnership Advisory Board, JSSR (Advisory Board chairing society)

SPINE20 Partnership Advisory Board is made up of members from the approved partner professional societies/associations and a representative from the Executive Board.

- Support effective and sustainable operations of SPINE20 in cooperation with Executive Board to pursue the missions of SPINE20.
- Collect and consolidate opinions from Partner Societies and any other professional organization interested in spine care and prevention.





❖ **SPINE20 Steering Committee**

Represented by members from the different SPINE20 committees and aims to steer the SPINE20 activities throughout the years preceding the G20 Summits.

❖ **Strategic Planning Committee**

Aims to clarify and solidify SPINE20 purpose and mission and formulate a plan in how to achieve our goals.

❖ **Global Engagement Committee**

Aims to internationalize the SPINE20 by building bridges and collaboration with professional, public, governmental and non-governmental organizations.

❖ **Educational Committee**

The SPINE20 Education Committee (EdCom) is a multi-professional committee within the SPINE20 organization. We are responsible for identifying, sharing, and promoting to SPINE20 stake-holders evidence-based curricula, educational principles and policies that will improve the quality, performance and results of spine care education. The EdCom will play a key role in supporting and enhancing the outputs and reputation of SPINE20 as a vehicle for change in global spine care.

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❖ **Fund-Raising Committee**

Aims to ensure financial resources and identify potential income opportunities in order to cover SPINE20 activities and general expenses.

❖ **Scientific Program Task Force (SciTF)**

Aims to develop the scientific program for the annual meeting as per the approved formatting by the SPINE20 executive Board.

❖ **Publications and Recommendations Task Force (PRTF)**

Aims to rephrase and finalize the SPINE20 recommendations proposed by the scientific committee and prepare the final version for publications in peer reviewed journals and submit a version of recommendations to the G20 Sherpa.

❖ **Event Organization Task Force**

Aims to assure a proper logistical arrangement for the SPINE20 meeting.



Mission

Optimize treatment in the global community to ensure patients have access to the best spine care possible in their respective regions.



Vision

A world where appropriate spine care helps minimize global disability and dramatically improve the lives of those suffering from spine problems so their families and communities can thrive.



Objectives

The Societies will further the mission of the SPINE20 initiative by collectively working on the following objectives:

- a. Educating all levels of health care practitioners in the global community on appropriate evidence-based spine care.
- b. Educating spine patients and their families and communities by providing high quality adapted educational materials.
- c. Enhancing local support and economic conditions for spine practitioners by partner good spine health policies within health ministries and governmental programs across the globe.
- d. Improving global research funding for spine care (including public health, prevention, treatment alternatives and prevention of disability from spinal disorders).
- e. Serving as a resource for governmental agencies and Sherpas for establishing improved access and spinal care globally and within each society's home country using an extensive global network of spine societies.
- f. Serving as an advocacy group globally and nationally through this identified SPINE20 initiatives.
- g. Improving access to spine care and spine specialists globally through advocacy within the global community and within the Societies' home countries.
- h. Establishing a minimum standard for training of care and prevention of spinal disorders globally for all those who treat spine patients, including nurses, chiropractors, physical therapists, osteopaths, exercise physiologists, general practitioners, surgeons and other spine specialists at the highest levels.

SPINE20 Annual Summits

Scientific Program

SPINE20 Summits is composed of multiple symposia, each symposium will address specific spine related domains. Multidisciplinary International Taskforces are meeting around the year to develop and forward the latest scientific and progress in spine care around the globe.

The **SPINE20 Scientific** program should always include:

- » Subjects of interest to the host country.
- » Subjects addressing the announced theme of the G20 meeting in a given year.
- » Permanent domains that address universal spine health, spine care, spine research and innovation.

Target Audience

- » Spine Practitioners.
- » Global Spine leaders.
- » Health Economists.
- » Public Health Leaders.
- » Health Strategic planners.
- » Spine Industrial Leaders and Investors.
- » Government Health Officials and Legislators.
- » Non-Government Organisations Interested in Spine Health.

Recommendations and Publication

The approved SPINE20 recommendations for each summit will be published every year in a peer reviewed open access journal to be available for all concerned and interested people and organizations.

How will we assure continuity?



SPINE20 Saudi Arabia , 2020

Following the Inaugural Summit in Riyadh, November 10-11, 2020, SPINE20 Recommendations were released and published in the European Spine Journal 2021.



SPINE20 Italy, 2021

Following the 2nd Annual Summit in Rome, September 17-18, 2021, SPINE20 Recommendations were released and published in the European Spine Journal 2022.



SPINE20 Indonesia, 2022

Following the 3rd Annual Summit in Bali, August 4-5, 2022, SPINE20 Recommendations were released and published in the European Spine Journal 2023.



SPINE20 India, 2023

New recommendations from 4th SPINE20 annual Summit, August 10 – 11, 2023 will be discussed during the New Delhi summit.





SPINE20 4th Annual Summit

New Delhi | 10 -11 August 2023



DELHI

Delhi is the capital of India and is one of the oldest continuously inhabited cities in the world. A sprawling metropolis with a population of over 25 million people, it is a city with a rich history dating back over 1,000 years. It is a city of contrasts, with ancient monuments and bustling markets coexisting side-by-side. Delhi is home to a rich history and culture, and is a popular tourist destination for people from all over the world.

Delhi is a city with something for everyone. Whether you're interested in history, culture, food, or shopping, you're sure to find something to keep you entertained in Delhi.

GEOGRAPHY

Delhi is the capital of the country and the second-most populous city in India. It is located in the north-central part of the country, on the Yamuna River. The city is bordered by the states of Haryana to the north, west, and south, and by Uttar Pradesh to the east. It has a total area of 1,483 square kilometres (573 square miles) and is divided into 11 districts.

The climate of Delhi is hot and dry in the summer, with temperatures reaching up to 45 degrees Celsius. The winter is mild, with temperatures ranging from 5 to 15 degrees Celsius. The monsoon season in Delhi is from July to September, and it brings heavy rains.

Delhi's geography has played a significant role in its history and culture. The city's location on the Yamuna River has made it a major trade and transportation hub for centuries. The Delhi ridge has provided a natural defence for the city, and it has also been a source of building materials for centuries.



Reasons to visit Delhi



HISTORY & CULTURE

India has a rich and diverse culture. It has been the capital of several empires throughout history, including the Mughal Empire, the British Raj, and the Republic of India. This has led to a city that is a melting pot of cultures, with influences from all over the world.

The culture here is reflected in its architecture, its cuisine, and its festivals. The city is home to some of the most iconic landmarks in India, such as the Red Fort, the Jama Masjid, and the Akshardham Temple. Delhi's cuisine is a delicious blend of Indian, Mughal, and European influences. And the city's festivals are a celebration of its rich history and culture.

Delhi is a city with a fascinating history. It has been inhabited for over 3,000 years, and it has been the capital of several empires throughout history. This has led to a city that is a treasure trove of historical sites, from ancient ruins to Mughal palaces. It is a city that is full of life and energy, and it is a city that is constantly changing.



FOOD

Delhi is a foodie's paradise, with a smorgasbord of restaurants serving everything from traditional Indian cuisine to international fare. From the fragrant aromas of tandoori chicken wafting through the streets of Old; Delhi to the mouth-watering sight of butter chicken sizzling on a hot plate, Delhi's food scene is sure to tantalize your taste buds. Whether you're looking for a Michelin-starred meal or a delicious street snack, you're sure to find something to your taste. So come hungry and be prepared to be amazed by the city's vibrant food scene.



THE PEOPLE

The people of Delhi are known for their warmth and hospitality. They are always willing to help out a stranger, and they are always up for a good conversation. Delhiites are also very proud of their city, and they are always eager to share their knowledge of Delhi with visitors. Delhi is a melting pot of cultures, and this is reflected in the people of Delhi. You will find people from all over India living here, and you will also find people from all over the world. This diversity makes it a very interesting place to live, and it also makes for a very welcoming place to visit.

SHOPPING

Delhi is a shopper's paradise. You can find everything from traditional Indian handicrafts to high-end international brands. There's something for everyone, no matter what your budget or taste. Shopping in Delhi can be a sensory overload - The sights, sounds, and smell of the city's many markets are sure to leave an impression. From the bustling alleyways of Chandni Chowk to the trendy boutiques of Hauz Khas Village, there's something for everyone in Delhi. Shopping in Delhi is an experience you'll never forget. So, whether you're a bargain hunter or a high-end shopper, be sure to set aside some time to explore the city's vibrant shopping scene. Come and explore the wonders of Delhi!



ABOUT INDIA



India is a land of contrasts, from the snow-capped Himalayas to the tropical beaches of Goa. It is a country of ancient history and modern technology, of diverse cultures and religions. India is a place of mystery and magic, of beauty and wonder. It is a country that will capture your heart and soul.

The seventh-largest country in the world, it comes with a land area of 3.28 million square kilometers. It is located in South Asia, and is bordered by Pakistan to the northwest; China, Nepal, and Bhutan to the north, Bangladesh and Myanmar to the east, and Sri Lanka and the Maldives to the south. The capital of India is New Delhi. The official languages of India are Hindi and English. The population of India is over 1.3 billion people, making it the second most populous country in the world. The currency of India is the Indian rupee.



India has a varied terrain, from the snow-capped Himalayas in the north to the tropical beaches of variety of wildlife, and as such they are a popular destination for hikers and bird watcherGoa in the south. The Himalayas are the highest mountains in the world, and they are a popular destination for mountaineers and nature lovers. The valleys of Kashmir are home to some of the most beautiful scenery in India, and they are a fan-favorite among honeymooners and couples. The beaches of Goa are some of the most sought for beaches in India, as



they are all the rage among partygoers and beach lovers, and the youth. The deserts of Rajasthan are for those who want to experience the rugged beauty of the Thar Desert. And the forests of the Western Ghats are home to a wide s.

ABOUT INDIA



India is home to a number of rivers, including the Ganges, the Yamuna, and the Brahmaputra. These rivers are important sources of water for irrigation and drinking water, and they are also important for transportation. The Ganges River is considered sacred among the Hindus. As such it is also a popular tourist destination, and millions of people visit the many temples and shrines that line its banks. It is a symbol of life and renewal in Hinduism. It is believed that the river is a manifestation of the goddess Ganga, and they believe that bathing in its waters can cleanse them of their sins and bring them closer to God.

The country has a tropical climate, with hot summers and warm winters. The summers here are hot and humid, with average temperatures ranging from 35 to 45 degrees Celsius (95 to 113 degrees Fahrenheit). The winters are warm, with average temperatures ranging from 15 to 25 degrees Celsius (60 to 77 degrees Fahrenheit). The monsoon season occurs from June to September and is a period of heavy rainfall that brings much-needed rain to the country.

The monsoon rains are essential for agriculture, and they also help to recharge the water table. The monsoon season is also a time of great beauty, as the countryside is lush and green.



ABOUT INDIA

India has a long and rich history, dating back to the Indus Valley Civilization, which was one of the earliest civilizations in the world. The Indus Valley Civilization flourished in the northwestern part of India from around 3300 to 1300 BCE. The Mughal Empire was one of the most powerful empires in Indian history, and it ruled over most of India from the 16th to the 18th centuries.

Hinduism is the most popular religion in India, and it is practiced by over 80% of the population. Islam is the second most popular religion in India, and it is practiced by over 14% of the population.

India is a country that is full of surprises and excitement. There is something for everyone, from the ancient ruins of the Indus Valley Civilization to the bustling metropolis of Mumbai. If you are looking for an unforgettable travel experience, then India is the perfect place for you. It is a country that is full of contrasts, and it is a country that will leave you wanting to return for more.



A 3D anatomical model of a human spine, showing the vertebrae and intervertebral discs. The model is rendered in a light orange color and is positioned diagonally across the frame, from the top left towards the bottom right. The background is a solid orange color with some faint, overlapping geometric shapes in a slightly darker shade of orange.

SPINE20 Team

New Delhi - 2023

Multi nationalities committees and taskforces are working around the year to prepare for the SPINE20 4th Annual Summit in New Delhi



Harvinder Chhabra, India
Chair SPINE20, India 2023



Margareta Nordin, France
SPINE20 Speaker



Manabu Ito, Japan
Chair, Partnership Advisory Board



Bambang Darwono, Indonesia
Cochair Scientific Taskforce



Paulo Pereira, Portugal
Cochair Scientific Taskforce



Sami AlEissa, SA
Cochair Scientific Taskforce



Koji Tamai, Japan
Cochair PR Taskforce



Hana Alsobayel, SA
Cochair PR Taskforce



Thomas Blattert, Germany
Chair Strategic Planning



Eric Muehlbauer, USA
Chair, Global Engagement



Edward Dohring, USA
Chair, Advocacy Committee



Jörg Franke, Germany
Cochair Education Committee



M. Piccirillo, Switzerland
Cochair Education Committee



William Sullivan, USA
Executive Board Member



Giuseppe Costanzo, Italy
Executive Board Member



Frank Kandziora, Germany
Executive Board Member



Markus Arand, Germany
Executive Board Member



Ahmed Alturkistany, SA
Executive Board Member



Cristiano Menezes, Brazil
Executive Board Member



Alaa Ahmad, Palestine
Committee Member



Agus H. Rahim, Indonesia
Committee Member



Ajoy Shetty, India
Committee Member



Ana Ligia Gill Espuny, Brazil
Committee Member



Andr  Bussi res, Canada
Committee Member



Arsanto Triwidodo, Indonesia
Committee Member



Bernardo Misaggi, Italy
Committee Member



Bhavuk Garg, India
Committee Member



Carlo Ruosi, Italy
Committee Member



Carlos Tucci, Brazil
Committee Member



Cristina Pereira, Portugal
Committee Member



Donna Lahey, USA
Committee Member



Everard Munting, Belgium
Committee Member



Gautam Zaveri, India
Committee Member



Giorgio Lofrese, Italy
Committee Member



Jeffrey Wang, USA
Committee Member



Jamiu Busari, Netherland
Committee Member



Jeremie Larouche, Canada
Committee Member



Ketna Mehta, India
Committee Member



Kinga Bugara, USA
Committee Member



Komal Kamra, India
Committee Member



Lisa Roberts, UK
Committee Member



Luca Ricciardi, Italy
Committee Member



Marco Campello, USA
Committee Member



Marco Teli, Italy
Committee Member



Nishad Kassim, India
Committee Member



Patriick Hsieh, USA
Committee Member



Pierre Côté, Canada
Committee Member



Raghava D. Mulukutla, India
Committee Member



Rajani Mullerpartan, India
Committee Member



Ram Chaddha, India
Committee Member



Ralph Kothe, Germany
Committee Member



Rumaisah Hasan, Indonesia
Committee Member



Rupinder Chahal, India
Committee Member



Sabina Chodinski, USA
Committee Member



Sanjay Wadhwa, India
Committee Member



Saumyajit Basu, India
Committee Member



S. Rajasekaran, India
Committee Member



So Kato, Japan
Committee Member



Shankar Achary, India
Committee Member



Sudhir K Srivastava, India
Committee Member



Saiful Asmiragani, Indonesia
Committee Member



Yahya Al Athbah, SA
Committee Member



Yudha Mathan Sakti, Indonesia
Committee Member





SPINE20

NEW DELHI · AUGUST 10-11, 2023

SCIENTIFIC PROGRAM

Scientific Program

The Scientific program is divided into multiple mini-symposia formatting. Throughout the two-day event, there will be seven symposia and one session addressing the most important issues related to spine care. In addition to that, there will be six keynote lectures by world experts from different backgrounds.

SPINE20 symposia are based on the specific domains that SPINE20 considered as critical for global spinal problems. These domains were selected by internationally represented multidisciplinary spine experts using a Delphi procedure. Each symposium will include evidence-based lectures, debate sessions and panel discussions. The last session in the meeting will be dedicated to discuss the proposed recommendations that emerge from the SPINE20 – New Delhi Meeting. Additionally, this year SPINE20 will conduct an educational session to discuss the current challenges in Spine education and debate the necessary critical actions.

SPINE20 - New Delhi meeting aims to provide a platform where the experts meet, discuss and create policy recommendations on spine health care that will be presented to worldwide health authorities.

Symposia & Sessions

Symposia Domain Sub-domain Symposium Title	CHAIRPERSONS		
Healthy spine & LiFE Impact IMPACT of a Healthy Lifestyle on a Healthy Spine and Living	B. Darwono ISS	D. Lahey NASS	R. Hasan PERDOSRI (PAB)
Implementation of Recommendations Strategies for effective implementation of SPINE20 recommendations	H. Chhabra ASSI	S. Kato JSSR	A. Bussi�eres WSC (PAB)
Spinal disability and poverty Investments in health systems Spine disorders, poverty and health systems: A call to action.	P. C��t�� EUROSPINE	C. Ruosi SICV & GIS	R. Mullerpatan SIP (PAB)
Digital spine care Transformation Road map to spine health in a world of digital transformation	G. Costanzo SICV & GIS	L. Roberts EUROSPINE	H. Alsobayel SSS
Economy of spine care Standardization Improving spine care quality while reducing the cost; standardization as an approach	Y. Al Athbah SSS	F. Kandziora DWG	C. Menezes BSS
Patient's safety Culture of safety Safety Culture in Primary Care: a way to mitigate back pain disability and unnecessary care	C. Tucci BSS	M. Arand DWG	B. Garg SSDC (PAB)
Social determinants Social justice Social Determinants and the Impact on Spine Care	W. Sullivan NASS	S. Basu ASSI	S. Wadhwa SCS (PAB)
Education Session	CHAIRPERSONS M. Campello & J. Franke		

Time Zone: IST (Indian Standard Time) – UTC + 5:30

DAY 1 | THURSDAY AUGUST 10, 2023

07.30 – 08.00	Registration and Working Coffee	
08.00 – 08.05	Welcome Remarks	Harvinder Chhabra
08.05 – 08.30	SPINE20: The Organization and the way it is functioning Chairpersons: Bambang Darwono (ISS) Giuseppe Costanzo (SICV &GIS)	
08.05 – 08.10	SPINE20 purpose and projects overview	Thomas Blattert
08.10 – 08.15	SPINE20 recommendations and publications	Koji Tamai
08.15 – 08.20	Partner Societies of SPINE20	Manabu Ito
08.20 – 08.25	Where do we see SPINE20 in the Future?	Margareta Nordin
08.25 – 08.30	Introduction to Symposia: The international collaboration in SPINE20 symposia and defining recommendations	Harvinder Chhabra & Koji Tamai
08.30 - 10.00 Symposium 1	Impact of a Healthy Lifestyle on a Healthy Spine and Living Chairpersons: Bambang Darwono Donna Lahey Rumaisah Hasan	
08.30 – 08.35	IMPACT of a Healthy Lifestyle on a Healthy Spine and Living	Donna Lahey
08.35 – 08.50	How Promoting Physical Activity Can Impact Spine Health	Rita Roy
08.50 – 09.05	The Carbon Footprint of Obesity and Its Impact on Spinal Mobility	Shanguganathan Rajasekaran
09.05 – 09.20	The Worldwide Socioeconomic, Environmental and Human Health Impact of the Tobacco Supply Chain	Edward Dohring
09.20 – 09.35	The Wellness Challenge in the Face of Global Warming	Bambang Darwono
09.35 – 10.00	Panel Discussion	Moderator: Rumaisah Hasan Panelists: All Speakers
10.00 – 10.30	Tea Break	
10.30 - 11.15	Keynote Lectures Chairperson: Harvinder Chhabra	
10.30 – 10.50	Keynote Lecture; Spine Care Model for developing countries - The Ganga Hospital Journey	Shanguganathan Rajasekaran
10.50 – 11.10	Keynote Lecture; The Soulfree INSPIRE Centre – Integrated Spinal Rehabilitation Employing An Experiential Framework	Preethi Srinivasan
11.10 – 11.15	Question & Answers	Harvinder Chhabra
11.15 – 12.45 Symposium 2	Strategies for effective implementation of SPINE20 recommendations Chairpersons: Harvinder Chhabra So Kato André Bussiès	
11.15 – 11.30	Keynote Lecture; Strategies for effective implementation of recommendations: Expert's perspective	Jerome Bickenbach
11.30 – 11.45	Keynote Lecture; Strategies for effective implementation of recommendations: G20 Sherpa's perspective	Shri Amitabh Kant

11:45 – 12:00	Keynote Lecture; Strategies for effective implementation of recommendations: Implementer's (Ministry of Health's) perspective	Shri Lav Agarwal
12:00 – 12:12	Strategies for effective implementation of recommendations: Consumer's perspective	Ketna Mehta
12:12 – 12:24	Strategies for effective implementation of recommendations: Society's perspective	Ram Chaddha
12:24 – 12:45	Panel Discussion: "Implementation of Recommendations"	Moderator: Harvinder Chhabra, André Bussi�res, & So Kato Panelists: All Speakers & Komal Kamra
12:45 – 13:45	Lunch Break	
13:45 – 15:15 Symposium 3	Spine disorders, poverty and health systems: A call to action. Chairpersons: Pierre C��t�� Carlo Ruosi Rajani Mullerpatan	
13:45 – 13:50	Why focus on spine disability, poverty, and investments in health systems	Pierre C��t��
13:50 – 14:10	What is the link between chronic spine disability and poverty?	Jen Rinaldi
14:10 – 14:30	Lived experiences of individuals with neck and low back pain in rural regions of India	Rajani Mullerpatan
14:30 – 14:50	Why improving Health Policy & Systems for spine rehabilitation could help reduce poverty?	Abdul Ghaffar
14:50 – 15:15	Panel Discussion	Moderator: Carlo Ruosi Panelists: All Speakers
15:15 – 15:45	Tea Break	
15:45 – 17:15 Symposium 4	Road map to spine health in a world of digital transformation Chairpersons: Giuseppe Costanzo Lisa Roberts Hana Alsobayel	
15:45 – 15:55	Overview: The role of digital technologies in preventing and managing spine-related conditions	Giuseppe Costanzo
15:55 – 16:10	Access to care (using accessible devices such as mobile phones/ laptops/tablets), including digital literacy and acceptability in communities, including ethical issues related to patients.	Ratna Devi
16:10 – 16:25	Delivering remote consultations in spine care including evidence, regulation, and quality	Ian Vlok
16:25 – 16:35	Available resources for patients to provide information and promote self-management (sharing best practice; repository)	Lisa Roberts
16:35 – 16:45	Infrastructure and health systems (including decision support systems, registries); how registries transformed care and support decision	Andrea Luca
16:45 – 17:15	Panel Discussion	Moderator: Giuseppe Costanzo Panelists: All Speakers

17:15 – 17:55

National Spine Care Program

Panel Discussion

17:15 – 17:55

Moderator:
Harvinder Chhabra
ASSI (Association of Spine Surgeons of India)

Panelists:

Margareta Nordin	SPINE20
Agus Hadian Rahim	ISS (Indonesian Spine Society)
Dilip Patro	The Ability People
Giuseppe Costanzo	SICV & GIS (Italian Spine Society)
Karsten Wiechert	DWG (German Spine Society)
Ketna Mehta	Nina Foundation
Koji Tamai	JSSR (The Japanese Society for Spine Surgery and Related Research)
Komal Kamra	The Spine Foundation
Marco Campello	NASS (North American Spine Society)
N S Senthil Kumar	APD (The Association of People with Disability)
Nicky Kaur	Chandigarh Spine Rehab
Rajani Mullerpatan	ISP (Indian Society of Physiotherapy)
Ram Chaddha	Indian Orthopedic Association
Rajendra Prasad	Indian Head Injury Foundation
Pierre Côté	EUROSPINE
Sankara Raman	Amar Sewa Sangam
Shiv Lal Yadav	IAPMR (Indian Association of Physical Medicine and Rehabilitation)
S K Srivastava	Bombay Spine Society
Sami ALEissa	SSS (Saudi Spine Society)

17:55

End of Day One – Closing Remarks

18:15

Gala Dinner

“Demonstration of Wheelchair Yoga – An innovative concept for eco friendly sustainable lifestyle through LiFE (Life for environment) for persons with spinal disabilities.”



DAY 2 | FRIDAY AUGUST 11, 2023

07.30 - 08.00 Registration and Working Coffee

08.00 - 09.30
Education Session
Chairpersons: Marco Campello / Jörg Franke

08:00 – 08:15	Welcome and EdCom Review	Marco Campello Jörg Franke
08:15 – 08:25	Interprofessional Training - it's impact on Value Based Healthcare	Jamiu Busari
08:25 – 08:40	Summary EdCom Workshop - Breakout Session 1	Jeremie Larouche
08:40 – 08:55	Summary EdCom Workshop - Breakout Session 2	Alaa Ahmed
08:55 – 09:05	Global - Surgical Medical Device Company	Erin MvEachren (VP Medtronic)
09:05 – 09:15	Global - Interventional Medical Device Company	Jason Hannon (CEO MainStay Medical)
09:15 – 09:25	Questions & Answers	Marco Campello Jörg Franke
09:25 – 09:30	Summary & Close	Jörg Franke

09.30 - 11.00
Symposium 5
Improving spine care quality while reducing the cost; standardization as an approach
Chairpersons: Yahya Al Athbah | Frank Kandziora | Cristiano Menezes

09:30 – 09:33	Introduction to the symposium	Sami AlEissa Yahya Al Athbah
09:33 – 09:48	Keynote Lecture; Strengthening rehabilitation in health systems: The potential of WHO's Package of interventions for rehabilitation to ensure access to evidence-based rehabilitation for all	Alexandra Rauch
09:48 – 10:00	The role of clinical practice guidelines in achieving standardized spine practice	Scott Kreiner
10:00 – 10:12	The importance of Standardized Outcome Measures in Supporting Value-Based Spine Care	Hana Alsobayel
10:12 – 10:24	Challenges in implementing standardized practice in limited resources setting	Mathew Varghese
10:24 – 10:36	Transitioning to high value health systems in the G20+ countries	Reem Bunyan
10:36 – 10:50	Panel Discussion: (Debate) The difference between the developed and underdeveloped countries on taking care of pediatric congenital spine deformities. An example to debate Standardization or customization	Moderator: Cristiano Menezes Panelists: Robert Meves & Luis Eduardo Carelli
10:50 – 11:00	Panel Discussion: (Take home message) Standardization Vs Customization: Finding the Right Balance	Moderator: Frank Kandziora Panelists: All Speakers
11.00 – 11.30	Tea Break	

11:30 - 13:00 Symposium 6	Safety Culture in Primary Care: a way to mitigate back pain disability and unnecessary care Chairpersons: Carlos Tucci Markus Arand Bhavuk Garg	
11:30 – 11:35	Patient safety in back pain primary care	Carlos Tucci
11:30 – 11:45	The economic, financial and public health burden of outpatient safety lapses	Luke Slawomirski
11:45 – 12:00	Effective approach to back pain patients in primary care setting	Leonardo Costa
12:00 – 12:15	How media campaigns might impact back pain approach and management in primary care?	Erik Werner
12:15 – 12:30	Addressing back pain safety in low and middle income countries in primary care setting	Shekhar Bhojraj
12:30 – 13:00	Panel Discussion	Moderator: Markus Arand Panelists: All Speakers
13:00 – 13:30	Medical Ethics Registrar, DM	
13:30 – 14:00	Lunch Break	
14:00 – 15:30 Symposium 7	Social Determinants and the Impact on Spine Care Chairpersons: William Sullivan Saumyajit Basu Sanjay Wadhwa	
14:00 – 14:05	Introduction	Saumyajit Basu
14:05 – 14:20	Primary social determinants of Health that can impact spine conditions	Sanjay Wadhwa
14:20 – 14:35	Impact of SDH on access to spine care for marginalized populations	Anand Bang
14:35 – 14:50	Impact of SDH on spine care for specific conditions (e.g. Scoliosis/SCI/etc.)	G Balamurali
14:50 – 15:05	Promoting Social Justice (SJ) & Health Equity for spine health	Saumyajit Basu
15:05 – 15:30	Panel discussion – Promoting Health Equity for Spine Health: Challenges & opportunities	Moderator: Chairs Panelists: All Speakers
15:30 – 16:00	Tea Break	
16:00 – 17:30	Discussion and Voting on Recommendation of SPINE20 2023 Moderators: Harvinder Chhabra, Koji Tamai	
17:30 – 17:45	Welcome to SPINE20 Brazil – 2024 Cristiano Menezes	
17:45	SPINE20 New Delhi – 2023 Closing Ceremony	



Alexandra Rauch

Dr. Alexandra Rauch (PT, MPH, PhD) is a consultant for the WHO Rehabilitation Program since 2018. She led the development of the Package of interventions for rehabilitation and continues projects related to the WHO Rehabilitation 2030 initiative.

She started her career as a physiotherapist in Germany, followed by teaching physical therapy at the Ludwig-Maximilians-University in Munich, Germany. She completed a bachelor's degree in applied health sciences and a Master in Public Health and continued her career as a researcher at Swiss Paraplegic Research (SPF). Her research focused on the implementation of the International Classification of Functioning, Disability and Health (ICF) in practice and on the topic of physical activity in people with spinal cord injuries, in which she did her doctorate. In 2016 she took up a professorship at the University of Applied Sciences in Furtwangen, Germany, but gave up this position in favor of the opportunity to work with the WHO Rehabilitation Program at its headquarters in Geneva.



Jerome Birkenbach

Dr. Jerome holds a PhD in Philosophy and a LL.B and is a professor emeritus at Queen's University. Since 1995 he has been a consultant with the World Health Organization (WHO) working on drafting, testing and implementation of the ICF, and continues to consult with WHO on international disability social policy. Most recently his research includes disability quality of life and the disability critique, disability epidemiology, universal design and inclusion, modelling disability statistics for population health surveys, the relationship between disability and wellbeing, disability and ageing issues and the application of ICF to monitoring the implementation of the UN Convention on the Rights of Persons with Disabilities.

Dr. Jerome Birkenbach is a permanent visiting professor at the Faculty of Health Sciences and Medicine at the University of Lucerne and professor in the Department of Philosophy and Faculties of Law and Medicine at Queen's University. He is the author of Physical Disability and Social Policy (1993) and the co-editor of Introduction to Disability (1998), Disability and Culture: Universalism and Diversity (2000), A Seat at the Table: Persons with Disabilities and Policy Making (2001), and numerous articles and chapters in disability studies.

Keynote Speakers



Preethi Srinivasan

A national-level swimmer, state-level cricketer and excellent student, Preethi suffered a spinal cord injury at the age of 18 which left her paralysed below the neck. Despite losing her sense of identity in a split-second, Preethi re-emerged like a phoenix to become the founder of "Soulfree" (www.soulfree.org) a public charitable trust that is working to improve the quality-of-life of persons living with Spinal Cord Injury in India. The organisation aims to provide improved medical rehabilitation, education, employment, entrepreneurship and sports thereby enabling SCIs to become as independent as possible. Over the last seven years, Soulfree has grown to support more than 720 people struggling for survival with permanent paralysis while living below the poverty line. She is an award-winning disability-rights activist working to create an inclusive India, a public speaker, writer, agent of change and currently a PhD scholar at IIT Madras.

Dr. Preethi obtained a Bachelor of Science (BS) in Medical Sociology from University of Madras (2010 – 2013) and PHD in Social Sciences from Indian Institute of Technology, Madras (2018-2022).



Shri Amitabh Kant

Mr. Amitabh Kant is presently G20 Sherpa of India during its Presidency year. He was CEO, NITI Aayog (National Institution for Transforming India)- the Govt of India's premier policy Think Tank & prior to that Secretary, Department of Industrial Policy & Promotion. Amitabh Kant is a member of the Indian Administrative Service, IAS (Kerala Cadre: 1980 Batch).

He is the author of "Branding India – An Incredible Story", Incredible India 2.0 and has edited The Path Ahead "Transformative Ideas for India" and has been a key driver of "Make in India", Startup India, "Incredible India" and "God's Own Country" initiatives which positioned and branded India and Kerala State as leading manufacturing tourism destinations. These campaigns have won several international awards and embraced a host of activities – infrastructure development, product enhancement, private-public partnership and positioning and branding.

Till March 2016 Amitabh Kant was posted as Secretary, Department of Industrial Policy and Promotion (DIPP) – Government of India. He has worked as Secretary, Tourism, Kerala, Joint Secretary, Tourism, Govt of India, District Collector, Kozhikode & CEO, Delhi- Mumbai Industrial Corridor.

Keynote Speakers



Shri Lav Agarwal

Mr. Shri Lav Agarwal is an Indian bureaucrat belongs to the 1996 batch of the Andhra Pradesh cadre of the Indian Administrative Service (IAS). An Indian Institute of Technology (IIT)-Delhi engineering graduate, his stints include working for various state governments prior to his appointment to the union health ministry in 2016.

Mr. Shri Lav Agarwal has been the face of the union government's response to the Covid-19 pandemic and was seen addressing the media and conducting press conferences and briefings at the Press Information Bureau and the National Media Centre regularly.

The B Tech Mechanical engineer also personally fought the battle against the novel coronavirus after being diagnosed with the deadly viral disease in August last year.



**Shanguganathan
Rajasekaran**

Dr S. Rajasekaran is the Chairman of the Department of Orthopaedics, Trauma & Spine Surgery, Ganga Hospital, Coimbatore, India. He is immediate past president, Asia Pacific Spine Society. He was previously the Chair of AOSpine International Board; Chair of AOSpine International Research Commission; President of SICOT; President-CSRS-AP; President of the Indian Orthopaedic Association; President of the Association of Spine Surgeons of India; President of International Society for the Study of Lumbar Spine, Canada and President of the World Orthopaedic Concern.

His academic distinctions include being the Hunterian Professor for the year 2011-12 by the Royal College of Surgeons of England; 'Distinguished Visitor' to Harvard Medical International, Boston, USA; Grand Rounds Lecturer of Dartmouth University, USA and Mayo Hospital, USA; Adjunct Professor of Orthopaedic Surgery, Tamilnadu Dr MGR Medical University; Deputy Editor of the Journal of Bone & Joint Surgery; Journal of SPINE, USA; Global Spine Journal, USA and Editorial board of European Spine Journal.

Keynote Speakers



SYMPOSIA & EDUCATION SESSION

Healthy spine & LiFE | Impact
IMPACT of a Healthy Lifestyle on a Healthy Spine and Living 40

Implementation of Recommendations
Strategies for effective implementation of SPINE20 recommendations 42

Spinal disability and poverty | Investments in health systems
Spine disorders, poverty and health systems: A call to action. 44

Digital spine care | Transformation
Road map to spine health in a world of digital transformation 46

Economy of spine care | Standardization
Improving spine care quality while reducing the cost; standardization as an approach 48

Patient's safety | Culture of safety
Safety Culture in Primary Care: a way to mitigate back pain disability and unnecessary care 50

Social determinants | Social justice
Social Determinants and the Impact on Spine Care 52

Education Session 54



Impact of a Healthy Lifestyle on a Healthy Spine and Living

Rationale

Changes to our fundamental values, philosophies, and principles needs to occur so that we can live a healthy life and protect our spine while curbing greenhouse emissions. This will take coordinated and sustained action across many sectors including but not limited to healthcare, agriculture, environment, finance, transportation, and economic development, from local to global levels.

DAY ONE (August 10) - Symposium 1

Subject overview

Mindful use of our earth's resources can have a significant impact in the world. Lifestyle changes, though, are not always easy to make as habits become ingrained in our everyday lives. However, making these lifestyle changes can not only have a significant impact on the environment but can also lead to a healthy Spine.

CO2 concentration in the environment is at its highest in 2 million years. Reducing Carbon Emissions Will not only have a great impact on our environment but can also benefit our Spine.

Spinal health is crucial because the spine controls the body's vital functions. It is the spine which provides structural support to our body and helps us to maintain our upright posture. The two most critical parts of the spine, the spinal cord & the spinal nerves, are vital to our ability to move and perform our everyday tasks. Without a healthy spine, day to day activities like walking, standing, sitting, getting up, and bending over can become extremely difficult

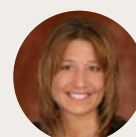
Detailed Program

10.30 – 10.42	IMPACT of a Healthy Lifestyle on a Healthy Spine and Living <i>Donna Lahey</i>
10.42 – 10.54	How Promoting Physical Activity Can Impact Spine Health <i>Rita Roy</i>
10.54 – 11.06	The Carbon Footprint of Obesity and Its Impact on Spinal Mobility <i>S. Rajasekaran</i>
11.06 – 11.18	The Worldwide Socioeconomic, Environmental and Human Health Impact of the Tobacco Supply Chain <i>Edward dohring</i>
11.18 – 11.25	The Wellness Challenge in the Face of Global Warming <i>Bambang Darwono</i>
11.25 – 11.55	Panel Discussion Moderator: <i>Rumaisah Hasan</i> Panelists: <i>All speakers</i>

Faculty



Bambang Darwono, Indonesia
Chairperson - ISS



Donna Lahey, USA
Chairperson – NASS



Rumaisah Hasan, Indonesia
Chairperson - PERDOSRI



Edward Dohring
USA



S. Rajasekaran
India



Rita Roy
USA



Strategies for effective implementation of SPINE20 recommendations

Rationale

The SDGs have a strong emphasis on healthy lives, promotion of wellbeing as well as inclusion and empowerment of persons with disabilities. Strong health policies, prevention strategies and National Spine Care Programs designed to support the implementation and evaluation of SPINE20 recommendations can help countries achieve the SDGs, and enhance equitable access to high-value spine care.

DAY ONE (August 10) - Symposium 2

Overview:

This symposium was especially conceived recognizing the dire need to brainstorm on strategies to implement the recommendations forwarded to the G20 each year. Key stakeholders will share unique perspectives and insights, and deliberate over the merit and challenges related to various implementation strategies. The objectives are:

1. Understand the need for and potential to implement recommendations
2. Discuss factors and challenges that can influence successful implementation of recommendations,
3. Discuss stakeholder perspectives regarding various implementation strategies
4. Identify opportunities for effective implementation in target populations.

Detailed Program

11:15 – 11:30	Keynote Lecture; Strategies for effective implementation of recommendations: WHO's perspective <i>Jerome Bickenbach</i>
11:30 – 11:45	Keynote Lecture; Strategies for effective implementation of recommendations: G20 Sherpa's perspective <i>Shri Amitabh Kant</i>
11:45 – 12:00	Keynote Lecture; Strategies for effective implementation of recommendations: Implementer's (Ministry of Health's) perspective <i>Shri Lav Agarwal</i>
12:00 – 12:12	Strategies for effective implementation of recommendations: Consumer's perspective <i>Ketna Mehta</i>
12:12 – 12:24	Strategies for effective implementation of recommendations: Society's perspective <i>Ram Chaddha</i>
12:24 – 12:45	Panel Discussion: "Implementation of Recommendations" Moderator: <i>Harvinder Chhabra, André Bussièrès, & So Kato</i> Panelists: <i>All Speakers & Komal Kamra</i>

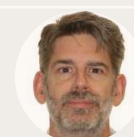
Faculty



Harvinder Chhabra, India
Chairperson - ASSI



So Kato, Japan
Chairperson – JSSR



André Bussièrès, Canada
Chairperson – WSC



Jerome Bickenbach
 Canada



Shri Amitabh Kant
 India



Shri Lav Agarwal
 India



Ketna Mehta
 India



Ram Chaddha
 India



Komal Kamra
 India



Spine disorders, poverty and health systems: A call to action.

Rationale

People who live in poverty face structural barriers in accessing appropriate and adequate spine rehabilitation. These barriers include stigmatization, marginalization, social isolation, absence of adequate transportation, financial constraints, lack of a trained workforce, lack of political prioritization for rehabilitation and the absence of integration of rehabilitation in universal health systems. However, few public health and health care policies are in place to remove these barriers.

This is a significant global health problem because the burden of disability related to back pain is increasing rapidly, especially in low- and middle-income countries. Therefore, it is imperative to invest into health systems integrated within universal coverage and supported through sustainable funding from government and non-government resources.

DAY ONE (August 10) - Symposium 3

Overview:

Chronic spine disorders are directly linked to poverty and lower socio-economic status. Moreover, a large gap exists between poverty and access to adequate spine care and rehabilitation. However, few public health and health care policies are in place to address this problem.

The symposium will explore how investing in health systems to improve access to the rehabilitation of spine disorders could improve the socio-economic status, quality of life and productivity of individuals with spine disorders globally. The multidisciplinary perspectives of experts will be used to develop recommendations to reduce the gap between socio-economic status and access to rehabilitation services.

Detailed Program

13:45 – 13:50

Why focus on spine disability, poverty, and investments in health systems
Pierre Côté

13:50 – 14:10

How Poverty Structures Rehabilitation Access?
Jen Rinaldi

14:10 – 14:30

Lived experiences of individuals with neck and low back pain in rural regions of India
Rajani Mullerpatan

14:30 – 14:50

Why improving Health Policy & Systems for spine rehabilitation could help reduce poverty?
Abdul Ghaffar

14:50 – 15:15

Panel discussion
Moderator: Carlo Tuosi
Panelists: All Speakers

Faculty



Pierre Côté, Canada
Chairperson - EUROSPINE



Carlo Ruosi, Italy
Chairperson – SICV & GIS



Rajani Mullerpatan, India
Chairperson – SIP



Abdul Ghaffar
Pakistan



Jen Rinaldi
Canada





Road map to spine health in a world of digital transformation

Rationale

Low back pain (LBP) is a highly prevalent and burdensome global health condition, affecting more than half a billion individuals worldwide, with a lifetime prevalence of up to 84%. Digitization of spine care has been shown to offer substantial improvements and efficiencies across various aspects.

However, there is limited recommendations in treatment guidelines promoting or supporting digital spine health. Although the evidence is growing in favor of digital spine health, there is relatively little evidence on outcome evaluation of such interventions worldwide in terms of their cost-effectiveness

DAY ONE (August 10) - Symposium 4

Overview:

Digitization has revolutionized the field of spine health, offering improvements and efficiencies in diagnostics, treatment, evaluation and delivery of spine care. Advances in telehealth can improve access to spine specialists, without the need for patients to travel.

High resolution imaging, such as computerized tomography (CT) and magnetic resonance imaging (MRI), can accurately identify spine pathologies, and artificial intelligence presents opportunities to read these scans, although this has yet to be fully explored.

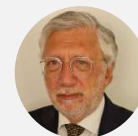
Digitization can be used in treatment to create 3D models of the patient's spine, enabling surgeons to plan, visualize and accurately navigate surgical procedures. Virtual Reality visors can be used in patients' rehabilitation and clinicians' training, to enable translation of advanced evidence-based knowledge via the Internet, between international centers of excellence and hospitals in low-income countries.

Patients experiencing spinal symptoms can benefit from digitization through mobile applications that enable them to monitor and record their symptoms and gain access to advice and self-management support to optimize treatment outcomes.

Detailed Program

15:45 – 15:55	Overview: The role of digital technologies in preventing and managing spine-related conditions <i>Giuseppe Costanzo</i>
15:55 – 16:10	Access to care (using accessible devices such as mobile phones/ laptops/tablets), including digital literacy and acceptability in communities, including ethical issues related to patients. <i>Ratna Devi</i>
16:10 – 16:25	Delivering remote consultations in spine care including evidence, regulation, and quality <i>Ian Vlok</i>
16:25 – 16:35	Available resources for patients to provide information and promote self-management (sharing best practice; repository) <i>Lisa Roberts</i>
16:35 – 16:45	Infrastructure and health systems (including decision support systems, registries); how registries transformed care and support decision <i>Andrea Luca</i>
16:45 – 17:15	Panel Discussion Moderator: Giuseppe Costanzo Panelists: All Speakers

Faculty



Giuseppe Costanzo, Italy
Chairperson – SICV & GIS



Lisa Roberts, UK
Chairperson – EUROSPINE



Hana Alsobayel, SA
Chairperson – SSS



Andrea Luca
Italy



Ian Vlok
South Africa



Ratna Devi
India





The role of standardizing the Spine practice in achieving the value based care

Rationale

Health care systems around the world are always challenged with rising costs and variable quality of health care provided. For this reason, strategies are evolving with a goal of maximizing value for patients by achieving the best outcomes at the lowest cost, while reducing inequalities. Back pain is one of the most challenging areas to any health system economy including medical cost, with more than half a billion prevalent cases worldwide, remaining the leading cause of YLDs globally. [2] SPINE20 believes in turning the tide on low back pain in a meaningful way through establishing and amplifying it as a priority on the global health agenda. Ensuring sustainable access to quality spine care would contribute to making the world a better place to live.

DAY TWO (August 11) - Symposium 5

Overview:

Standardization has been defined formally as “the process of developing, agreeing upon and implementing uniform technical specifications, criteria, methods, processes, designs, or practices that can increase compatibility, interoperability, safety, repeatability and quality Standardization.

Standardization of uniform healthcare treatment reached its apotheosis in the evidence-based medicine (EBM) movement aiming to reduce variations in practice that had previously been hidden by public deference and a lack of information. In the other hand, deviations from guidelines for specific cases may be necessary, customization and personalization approach could provide a construct to address gaps in knowledge by tailoring of standardized treatment and diagnosis to the psychological, social, and cultural dimensions of the patients.

Determining the optimal point along the continuum between these standardization and customization approaches for any given processes of delivering spine care requires careful consideration and should be a paramount goal of organizational leadership, and regulators.

Detailed Program

09:30 – 09:33	Introduction to the symposium, <i>Chairs</i>
09:33 – 09:48	Keynote Lecture; Strengthening rehabilitation in health systems: The potential of WHO’s Package of interventions for rehabilitation to ensure access to evidence-based rehabilitation for all, <i>Alexandra Rauch</i>
09:48 – 10:00	The role of clinical practice guidelines in achieving standardized spine practice, <i>Scott Kreiner</i>
10:00 – 10:12	The importance of Standardized Outcome Measures in Supporting Value-Based Spine Care, <i>Hana Alsobayel</i>
10:12 – 10:24	Challenges in implementing standardized practice in limited resources setting, <i>Mathew Varghese</i>
10:24 – 10:36	Transitioning to high value health systems in the G20+ countries, <i>Reem Bunyan</i>
10:36 – 10:50	Panel Discussion: The difference between the developed and underdeveloped countries on taking care of pediatric congenital spine deformities. An example to debate Standardization or customization; Moderator: <i>Robert Meves</i> Panelists: <i>Luis Eduardo Carelli & Cristiano Menezes</i>
10:50 – 11:00	Panel Discussion: Standardization vs Customization: Finding the Right Balance, Moderator: <i>Frank Kandziora</i> Panelists: all speakers

Faculty

Frank Kandziora, Germany
Chairperson - DWG



Cristiano Menezes, Brazil
Chairperson – BSS



Yahya Al Athbah, SA
Chairperson – SSS



Alexandra Rauch
Switzerland



Reem Bunyan
Saudi Arabia



Hana Alsobayel
Saudi Arabia



Scott Kreiner
USA



Mathew Varghese
India



Robert Meves
Brazil



Luis Eduardo Carelli
Brazil



Safety Culture in Primary Care: a way to mitigate back pain disability and unnecessary care

Rationale

The social determinants of health (SDH) are known to significantly (and often differentially) impact the final outcomes of treatments of many spinal diseases or injuries. A greater and early recognition of the contribution of SDH to disparities in spine health is warranted. The area of social determinants and social justice must include spine health for all, including spine health for all age groups, all genders, all strata of society, and all types and degrees of severity of spine related disorders, congenital or acquired, painful or painless etc. It must include all the important areas related to Spine Health such as prevention (at various levels), early diagnosis (clinical, and supported by appropriate investigations where required), comprehensive treatment (medical, surgical etc.), rehabilitation, and palliation as an integral part of national policy and programmes

DAY TWO (August 11) - Symposium 6

Overview:

Outpatient care accounts for an enormous burden in Health Care systems worldwide and about half of global burden of patient harms occur in primary and ambulatory care and direct costs related to safety lapses account to up to 2.5% of total health expenditure. The broader economic impact of delayed or wrong diagnosis and delayed treatment for chronic illness could approach 0.5% of GDP, which represents approximately 5% of health expenditure.

In most low- and middle-income countries, outpatient safety lapses are mostly related to ineffective early approach (treatment advice, prognosis risk detection and advice (both physical and psychological) and comorbidities considerations).

This symposium intends to recommend, based on best evidence available and multidisciplinary experts' opinions, feasible and scalable actions to assess and prevent spine outpatient safety lapses.

Detailed Program

11:30 – 11:35	Patient safety in back pain primary care, <i>Carlos Tucci</i>
11:30 – 11:45	The economic, financial and public health burden of outpatient safety lapses <i>Luke Slawomirski</i>
11:45 – 12:00	Effective approach to back pain patients in primary care setting <i>Leonardo Costa</i>
12:00 – 12:15	How media campaigns might impact back pain approach and management in primary care? <i>Erik Werner</i>
12:15 – 12:30	Addressing back pain safety in low and middle income countries in primary care setting <i>Shekhar Bhojraj</i>
12:30 – 13:00	Panel discussion Moderator: Markus Arand Panelists: All Speakers

Faculty



Carlos Tucci, Brazil
Chairperson - BSS



Markus Arand, Germany
Chairperson – DWG



Bhavuk Garg, India
Chairperson – SSDC



Luke Slawomirski
Australia



Leonardo Costa
Brazil



Erik Werner
Norway



Shekhar Bhojraj
India

Social Determinants and the Impact on Spine Care

Rationale

Unrecognized patient safety lapses, defined by the risk of acute to chronic pain conversion and undetected red and yellow flags situations in primary care pose a loss of opportunity – maybe the most cost-effective one – to mitigate the enormous economic and public health burden back pain represents worldwide. In most of lower income countries, health authorities are not sufficiently aware and committed to mitigate the impacts of back pain in its economy, finances especially among public health users, mostly the poorer and most vulnerable populations, as confirmed by the absence of reliable statistics (health and social security), well established protocols and guidelines, educational strategies (for both patients and healthcare professionals) and specific public policies.

DAY TWO (August 11) - Symposium 6

Overview:

Social determinants of health (SDH) are non-medical factors that can influence health outcomes. They are the conditions in which people are born, grow, work, live, and age, and the wider set of forces and systems shaping the conditions of daily life. These forces and systems include economic policies and systems, development agendas, social norms, social policies and political systems.

The SDH have an important influence on health inequities - the unfair and avoidable differences in health status seen within and between countries. In countries at all levels of income, health and illness follow a social gradient: the lower the socioeconomic position, the worse the health.

Detailed Program

14:00 – 14:05	Introduction <i>Saumyajit Basu</i>
14:05 – 14:20	Primary social determinants of Health that can impact spine conditions <i>Sanjay Wadhwa</i>
14:20 – 14:35	Impact of SDH on access to spine care for marginalized populations <i>Anand Bang</i>
14:35 – 14:50	Impact of SDH on spine care for specific conditions (e.g. Scoliosis/SCI/etc.) <i>G. Balamurali</i>
14:50 – 15:05	Promoting Social Justice (SJ) & Health Equity for spine health <i>Saumyajit Basu</i>
15:05 – 15:30	Panel discussion – Promoting Health Equity for Spine Health: Challenges & opportunities Moderator: Chairs Panelists: All Speakers

Faculty



William Sullivan, USA
Chairperson - NASS



Saumyajit Basu, India
Chairperson – ASSI



Sanjay Wadhwa, India
Chairperson – SCS



Anand Bang
India



G Balamurali
India



Overview

At the 2022 SPINE20 Summit in Bali, the Education Committee (EdCom) introduced the idea that spinal disorders are a silent syndemic. A syndemic creates a set of health problems involving two or more affiliations, which can interact to create a multiplier effect that contributes to the excess burden of this disease in our populations.

Given the absence of actual figures, we postulated that the true annual global cost of this syndemic in terms of treatment costs, rehabilitation costs, lost work productivity costs and family burden ran into hundreds of billions of dollars, euros or other currencies.

SPINE20 EdCom suggested that all stakeholders must come together to mobilize resources and put forth the current knowledge (mistakes and success) to properly address the burden caused by these disorders.

The SPINE20 EdCom is advocating that the first step towards a solution to this global waste and social burden must be standardized, quality controlled, and universally accessible spine care education of key spine care stakeholders.

We stand united behind a very simple ethos to change the game when dealing with this syndemic: The implementation of standardized and accessible Interprofessional Training programs that show spine care professionals that delivering approved clinical pathways in the most expedited and cost-effective fashion will improve patient outcomes and unburden healthcare system.

In Bali EdCom session presented a range of topics that highlighted the enormous challenges and hurdles to delivering true behavior changing education of spine care. We recognized that to make the transformation needed, we would need to align key stakeholders to address all these challenges and issues in a systematic manner

SPINE20 2023 Summit in New Delhi, India the EdCom is proposing a model for developing and delivering Interprofessional Education, and discussing the ideas of how to develop a spine care curriculum that takes into account the different stakeholders involved in spine care from the moment of onset of the spinal disorder to its resolution.



Education Session



Marco Campello
Co-Chair, USA



Jörg Franke
Co-Chair, Germany



Alaa Ahmad
Speaker, Palestine



Jeremie Larouche
Speaker, Canada



Jamiu Busari
Speaker – Netherlands



Erin MvEachren, USA
(VP Medtronic)



Jason Hannon, USA
(CEO MainStay Medical)



Michael Piccirillo
Speaker– Switzerland

Education Session

Detailed Program

- 08:00 – 08:15 **Welcome and EdCom Review**
Marco Campello and Jörg Franke
- 08:15 – 08:25 **Interprofessional Training - it's impact on Value Based Healthcare**
Jamiu Busari
- 08:25 – 08:40 **Summary EdCom Workshop - Breakout Session 1**
Jeremie Larouche
- 08:40 – 08:55 **Summary EdCom Workshop - Breakout Session 2**
Alaa Ahmed
- 08:55 – 09:05 **Global - Surgical Medical Device Company**
Erin MvEachren (VP Medtronic)
- 09:05 – 09:15 **Global - Interventional Medical Device Company**
Jason Hannon (CEO MainStay Medical)
- 09:15 – 09:25 **Questions & Answers**
Marco Campello and Jörg Franke
- 09:25 – 09:30 **Summary & Close**
Jörg Franke

Appendix:

SPINE20 TEAM & SPEAKERS BIOGRAPHIES



Harvinder Chhabra, India

Chair SPINE20 India, Executive Board Member

Prof. Chhabra is Chief of Spine and Rehabilitation at Sri Balaji Action Medical Institute, New Delhi. He was formerly Chief of Spine Service & Medical Director at Indian Spinal Injuries Centre. He is the Immediate Past President of International Spinal Cord Society and Association of Spine Surgeons of India. He is the Editor-in-chief of "ISCoS on Comprehensive Management of Spinal Cord Injuries", elearnSCI.org & Journal of Clinical Orthopaedics and Trauma. Dr Chhabra has 164 publications and 27 chapters in the leading textbooks. Dr Chhabra has been a recipient of some of the major prestigious awards by ISCoS, Asian Spinal Cord Network and Indian Medical Association. He has also won ASSI Research Awards for 7 consecutive years from 2013 to 2019 & 2022.



Margareta Nordin, France

SPINE20 Speaker, Executive Board Member

Margareta Nordin, Dr. Med. Sci., PT, Research Professor, Departments of Orthopedic Surgery and Environmental Medicine, NYU Grossman School of Medicine, New York University, New York, NY, USA, has authored 5 books and >250 peer reviewed papers, participated in seven international based task forces on spine pain and received multiple awards, first woman President of ISSLS, EUROSPINE, World Spine Care Europe, and adjunct professor at multiple universities. She is a member of WHO Package of Rehabilitation Intervention for low back pain and the Speaker for SPINE20. Her primary interest is prevention of disability with focus on evidence, cultural adaptation, and acceptance.



Manabu Ito, Japan

Chairperson, Partnership Advisory Board, Executive Board Member

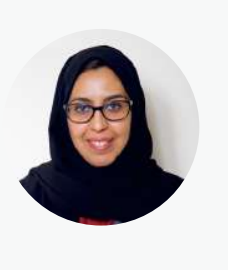
Manabu Ito, MD, PhD is an orthopedic spine surgeon working as Medical Director, National Hospital Organization Hokkaido Medical Center, Sapporo, Japan. His academic appointments include Clinical Professor, Department of Orthopedic Surgery, Hokkaido University Graduate School of Medicine and Visiting Professor, Material Science, Osaka University Graduate School of Engineering. He is the current president of Japanese Scoliosis Society and Chairperson of AOSpine Asia Pacific as well as the partner society advisory board of SPINE20.



Koji Tamai, Japan

Cochair Publication and Recommendation Taskforce

Koji Tamai MD, PhD is Japanese board-certified spine surgeon, currently a lecturer at Osaka Metropolitan University, Osaka, Japan. He is a chair of the SPINE20 Publication and Recommendation task force in 2021. In addition to the works as spine surgeons, he loves to conduct research to develop better treatment strategies for spinal disease. His major research field is cervical spine, but recently he is also performing several research projects about the improvement of patient's Quality of Life, large scale cohort studies detecting the effect of COVID-19, artificial intelligence in spinal diagnosis and surgery, as well as basic science.



Hana Alsobayel, Saudi Arabia

Cochair Publication and Recommendation Taskforce

Dr. Alsobayel is an Associate Professor and consultant in physical therapy at King Saud University in Riyadh, Saudi Arabia. Obtained her MSc. from Queen's University in Canada, followed by PhD from King's College London in UK. For over 25 years, she has been involved in research and practice mainly in self-management for chronic conditions and innovation in healthcare. She is one of the former presidents of Saudi Physical Therapy Association and currently a board member of the Saudi Spine Society. Her contribution in education and research was recognized by receiving the World Physiotherapy International Service Award in 2019.



Bambang Darwono, Indonesia

Cochair Scientific Taskforce, Executive Board Member

Prof. Darwono is a Senior Lecturer Faculty of Medicine at the Veteran Pembangunan Nasional University and at the Tarumanagara University, He is the head of orthopaedic sections of Pluit Hospital and Gading Pluit Hospital, Jakarta. Prof. Bambang obtained his Medical degree in 1975 from Private University of UNISSULA Semarang and the General Surgery from University of Diponegoro Semarang in 1986, he became an orthopaedic Surgeon in 1990 State from University of Indonesia Jakarta, and in 2000, he achieved his PhD from State University of Gajah Mada Yogyakarta. Prof Bambang is involved in many professional and consulting activities, he was the President of The Indonesian Spine Society and he is currently a Council Member of PASMISS, he is currently a member of many international society such as APOA, APASTAB, AAOS, SICOT, IDI, SAS, NASS, APSAS.



Paulo Pereira, Portugal

Cochair Scientific Taskforce

Dr. Pereira, MD, PhD is a Portuguese board-certified neurosurgeon specialized in spine surgery, Consultant of Neurosurgery, Chairman of the Department of Neurosurgery, at Centro Hospitalar Universitário São João and Invited Assistant Professor at Faculty of Medicine of the University of Porto, Portugal.

Prof. Pereira is Past President of the Portuguese Neurosurgical Society (SPNC), 2nd Vice-President of Ibero-Latin American Spine Society (SILACO), Co-President of the World Spinal Column Society (WScS), chair of the Education

Council and Executive Board member of EUROSPINE and co-chair in EUROSPINE Education Week



Sami AlEissa, Saudi Arabia

Cochair Scientific Taskforce, Executive Board Member

Sami AlEissa is a consultant Spine Surgeon, associate professor, and the head of orthopedic and spine services at King Abdulaziz Medical City, Riyadh, Saudi Arabia. His main practice involves different aspects of complex spine pathologies. Dr. AlEissa has led the Orthopedic Scientific Council in the SCFHS and he is currently a member of higher medical authority at the Ministry of Health. Dr. AlEissa is the founding president of Saudi Spine Society, and he is a Co-founder of SPINE20 and the chairman for SPINE20 meeting inaugural in Riyadh, 2020. Dr. AlEissa was awarded King Abdulaziz Medal of Excellence by the order of King Abdullah Bin Abdulaziz.



Thomas Blatter, Germany

Chair Strategic Planning Committee, Executive Board Member

Dr. Blatter is an orthopaedic and trauma surgeon, specialized in spinal surgery and trauma management. He currently holds a position as Professor and Chair of the Interdisciplinary Spine Center at Klinikum Ingolstadt, Germany. Former resident of Harvard University, Boston, and spine fellow at Fritz Magerl's Spine Center in St. Gallen, Switzerland, he is the immediate Past President of EUROSPINE, the Spine Society of Europe and also an Educational Advisor to AO Spine Europe. Since 2016 he holds the title of Visiting Professor at Xi'an Jiaotong University Medical College Honghui Hospital in China. He is also Associate Editor of Orthopaedic Surgery and a regular reviewer for Spine and Biomaterials.

Prof. Blatter brings a strong expertise in spinal trauma and spinal tumours and additionally focuses on osteoporotic spine, minimally invasive procedures, and augmentation techniques with biomaterials.



Eric Muehlbauer, USA

Chair Global Engagement Committee, Executive Board Member

Eric J. Muehlbauer, MJ, CAE has been Executive Director since September 1994. He became a Certified Association Executive in 2002. He has a Bachelor of Arts from Knox College where he was the Hunter Trophy winner (highest GPA of athletes) and hold the record for most career punt returns. He also has Masters of Jurisprudence in Health Law & Policy from Loyola University Chicago Law School. He has done additional coursework on Strategic Perspectives in Non-profit Management at the Harvard University School of Business. NASS has become a well-respected voice in the health policy field and a leader in the areas of Ethics and Hands-on Education through use of its Spine Education and Research Center. He is a member of the American Society of Law, Medicine and Ethics (ASLME) and the American Association of Medical Society Executives (AAMSE).



Edward Dohring, USA

Chair Advocacy Committee

Past-President of NASS, Dr. Dohring trained at Yale Medical School, Spine Institute of New England, & Harborview Hospital. Founder of the interdisciplinary Spine Institute of Arizona, he has participated in IDE research on disc replacement and minimally invasive surgery. Clinical Professor of Arizona College of Medicine, he is dedicated to education, is active on the ACGME, AAOS, & NASS Spine Surgery Residency/ Fellowship Guidelines Committees, and has trained over 25 spine surgery fellows. Editorial Board member of The Spine Journal, he is corresponding author of "Lumbar Disc Nomenclature: Version 2.0," the only paper published simultaneously in SPINE & The Spine Journal. He has volunteered his surgical skills in Ghana, Kenya, Tanzania, Haiti, Cambodia and Nepal. Outside the world of spine care, he is an avid mountain climber, and summited Mount Everest in 2019.



Jörg Franke, Germany

Cochair Education Committee

Dr. Franke currently serves as Head and Chairmen of the Department of Orthopedics at Klinikum Magdeburg (academic teaching hospital of the university of Magdeburg). His clinical interest is mainly all spinal disorders including all major pathologies such as Deformity adult and pediatric, degeneration, infections, tumours and trauma. His research interest is focused on clinical studies of new techniques and devices as well sagittal balance adaptation in the elderly. He published over 60 articles in peer reviewed journal and gave over 2000 presentations on international conferences and training courses. Dr. Franke is a member of various national and international medical associations and societies including the German Spine Society, IGASS and EUROSPINE, where he currently holds the position as general secretary. He was Board member of the German spine society and IGASS. Dr. Franke is Co-Founder of Spine 20 and was an active part of this initiative of the major spine organisations of the world.



Michael Piccirillo, Switzerland

Cochair Education Committee

Directly after qualifying as a Microbiologist, Michael made a life changing decision and moved directly into healthcare business management. Michael has supplemented his science training with specific professional courses in the field of Marketing and Business Administration. His practical experience and achievements cross a diverse range of jobs in the commercial (pharmaceuticals, diagnostics, biotechnology, and medical devices) and non-profit medical sectors (academic societies and charities) across five continents.

As the first Executive Director of AO Spine and later AO Trauma, he forged and guide two of the largest surgical communities in the world. Since then he has spent years consulting spine centers, academic societies, medical startups and designing learning experience and customer engagement programs.

Michael joined NASS in 2019 to support the creation of NASS International to design and manage programs across the globe, evolving NASS into the world's first truly global multi-professional community.

Michael brings over 30 years business management experience to the SPINE20 EdCom, having managed multi-million-dollar product lines, supported startups with raising millions of dollars in funding and prepared engaging commercial strategies to drive sales. His goal in the EdCom is to create and align a high-performance team that will drive a paradigm change in the value, and access to spine care education.



Ahmed Alturkistany, Saudi Arabia

Executive Board Member

Ahmed Alturkistany is the current president of Saudi Spine Society as well as full time orthopedic and spine surgeon at King Faisal Specialist Hospital and Research Center-Jeddah/Kingdom of Saudi Arabia, it is a tertiary care hospital that receives patient from all over the kingdom which keeps Ahmed on his toes all the time. He earned medical degree from King Khalid University in Abha/Kingdom of Saudi Arabia, then completed Orthopedic residency program at McMaster University in Hamilton/Canada and he became a fellow of the Royal College of physician and surgeon of Canada in 2012. he completed 3 years of fellowship in pediatrics orthopedic and pediatric spine surgery across Canada starting from University of British Columbia, University of Alberta and finally McGill university. Health care management is of a great value for him, for that he earned a master degree in Management from McGill university in order to help to achieve his goals in health care sector in Saudi Arabia. He is proud to be in the executive committee of Spine20.



Frank Kandziora, Germany

Executive Board Member

Born 1968 in Germany, Prof. Dr. med. Frank Kandziora graduated and promoted as "Dr. med." from the J. W. Goethe-University in Frankfurt. After starting his training at the Orthopedic University Hospital in Frankfurt he moved to the Charité University Hospital in Berlin to train first as a general surgeon, finally specializing in trauma surgery. After finishing also his orthopedic training and his PhD thesis he became associated Professor at the Humboldt-University and Head of the Charité Spine Group at the Center of Musculo-Skeletal Surgery, Campus Virchow Clinic. 2008 he moved back to Frankfurt and became head of department of the multidisciplinary Center for Spinal Surgery and Neurotraumatology at the BGU Hospital. Currently he is teaching as Professor at the Goethe-University in Frankfurt. He has published more than 200 original articles, received multiple scientific awards and has been president and long-term board member of several national and international scientific organizations like DGOU, DWG, EUROSPINE, AOSpine, Spine20, etc. He is also Editor-in-Chief and Section Editor of several scientific Journals and board member and ambassador of charity organizations.



Giuseppe Costanzo, Italy

Executive Board Member

Prof. Costanzo is born in Roma, Italy, October 18 1950; become M.D. at Sapienza Rome University in 1975 specialising in Ortopaedics and in Rehabilitation; pupil of professor Giorgio Monticelli, second president of European Spine Deformities Society, became Secretary of this Society till 1989, Vice president SICV&GIS since 2016, President since 2018. He visited Pierre Stagnara in Lyon and Hong Kong University studying Spine deformities, infectious diseases and anterior approach. Nominated associated professor of orthopedics since 1987 and full professor since 1999 in L'Aquila University, in 2004 was called in Rome University Sapienza. He has been Director of Ortopaedics in Policlinico Umberto I in Rome.



Cristiano M. Menezes, Brazil

Executive Board Member

Dr. Cristiano Menezes is a Brazilian orthopedic surgeon with experience in the treatment of various conditions affecting the spine. He specializes in minimally invasive spine surgery and completed his fellowship in Spine Surgery at the renowned Texas Back Institute in Dallas, USA. He graduated in Medicine from the UFMG (1999) and holds a Ph.D. in Health Sciences Applied to the Musculoskeletal System from the School of Medicine at USP - Ribeirão Preto. He is a member of the Spine Surgery Department at the Orthopedic Hospital/Life Center-BH and coordinator of the Medical Specialization in Spine Surgery at the Orthopedic Hospital/Life Center. He also participates in the Spine Surgery Group at Baleia Hospital and is a preceptor for the Orthopedics and Traumatology residency program. He is on the editorial board of the journals Coluna/Columna, SciTechnol-Journal of Spine and Neurosurgery, and Revista Brasileira de Ortopedia (RBO). Dr. Cristiano was President of SBOT-MG - 2018, President of the National Spine Committee of SBOT, Vice President of the BSS - 2019-2021, and President of the same Society - 2021-2022.



Markus Arand, Germany

Executive Board Member

Markus Arand PhD, Associate Professor Medical Faculty University of Ulm, Germany, Chief Surgeon Level 1 Hospital Ludwigsburg, Germany. Since > 30 years involved in clinical care research and basic research of the spine resulting in various peer reviewed publications, Member of the board of the German Spine Association (DWG) and German Trauma Association since > 10 years, President elect DWG 2023.



William Sullivan, USA

Executive Board Member

William Sullivan, MD received his medical degree from Emory University School of Medicine and completed residency in Physical Medicine and Rehabilitation at Northwestern University / Rehabilitation Institute of Chicago. He is currently a Professor in the Department of Physical Medicine and Rehabilitation at Vanderbilt University. He was President of the North American Spine Society (NASS) for 2019-2020. He has served as Coding Committee Co-Chair and NASS Advisor to the AMA/RUC committee as well as member of the Nominating Committee and Membership Committee. He was also Co-Chair of the Medical program for the Emerging Technology Spine Education Summit for 10 years.



Abdul Ghaffar, India

Speaker

Dr. Ghaffar helps to shape HPSR through developing and testing innovative models in both research and implementation of programmes for health systems strengthening and enhancing the use of evidence in decision-making. A physician by training, with a PhD in International Health from Johns Hopkins University, Dr. Ghaffar has worked in low- and middle-income countries over the past 30 years – managing a wide range of research portfolios, designing and evaluating national health systems, and training future generations of health systems researchers and decision-makers. He started his career as a public health physician in Pakistan, before moving into several leadership positions, including Assistant Director-General of Policy and Planning, and Dean of the Health Services Academy, a national school of public health. He later served as Regional Advisor for Research in the Eastern Mediterranean Office of WHO. His intellectual contributions through many influential papers and seminal global reports and strategies continue to set standards and guidance in HPSR.



Alaa Ahmad, Palestine

Committee Member & Speaker

Professor at the Orthopedic Department - Palestine Polytechnic University, Adjunct professor – Biomedical Engineering Department- University of Toledo , and Exam Board Member COSECSA Pediatric Orthopedic Co-Director – Pediatric Spine Program Tanzania Project, MOI Hospital - Weill Cornell Medicine Director – Pediatric Spine Program Fernando Velez Paiz Hospital Managua, Nicaragua He is the President - World Orthopedic Concern (WOC) , Member, Education Committee - SPINE 20, and Chair, Spine Committee - SICOT He is an Editorial Board Member. Journal of Pediatric Orthopedic B, Board Review Member- Global Spine Journal (GSJ), SICOT-J, Spine Journal, Journal of Clinical Neuroscience, and Co- editor Book, Co-author 5 book chapters, 20 papers in global peer reviewed journals



Anand Bang, India

Speaker

Dr. Anand Bang is a physician and public health expert. He is the Joint Director of the organization Society for Education, Action & Research in Community Health (SEARCH), an organization focused over 37 years on providing medical care, conducting research to develop models for health care for the tribal & rural communities of India and influencing policies. He is the founding member of the Center of Spine & Joint Health at SEARCH. He is also the Advisor for the Tata Trusts, the oldest & the largest philanthropic trusts in India. He has been the Consultant to the Ministry of Health & Family Welfare, Government of India for the National community based ASHA program & Universal Health Care. He has also been the Advisor to the Chief Minister of Maharashtra, the second largest State of India, for social sectors policies, programs and partnerships.



Andrea Luca, Italy

Speaker

MD, IRCCS Ospedale Galeazzi Sant'Ambrogio – Milan
Consultant Spinal Surgeon
EuSSAB Member: Italian Delegate
EuSSAB Representative (Council Member)
Themis Project Chair (Diversity – Inclusion – Equity Project lead by EUROSPINE)



Agus Hadian Rahim, Indonesia

Committee member

Born in 1960, Dr. Rahim is an orthopaedic spine surgeon practicing at Dr.Hasan Sadikin Hospital, Bandung, Indonesia and also the head of Orthopaedic and Traumatology Department at the same hospital. He graduated as orthopaedic surgeon at Faculty of Medicine, Universitas Padjadjaran. He is currently the president of Indonesian Spine Society and a member of AOSpine, APOA-spine section, Pedicle Club Indonesia (PCI, Indonesian Orthopaedic Spine Society (IOSS), and NASS. He is very concern about spinal diseases, applying both conservative and surgical treatment to his patient. He is also keen to wrote and publish journal about spinal diseases and management



Ajoy Shetty, India

Committee Member & Speaker

Dr. Ajoy Prasad Shetty is the Senior Consultant in Spine Surgery at Ganga Medical Centre and Hospitals Pvt. Limited, Coimbatore, India. He is also currently the AO spine India chairperson & the educational committee interim chairman of the Asian Pacific Spine society .. He is also the associate editor of the Journal of Orthopaedics and the Journal of Musculo-skeletal disorder and also sits on the editorial boards of Asian Spine Journal (ASJ) and the Indian Spine Journal (ISJ).



ANA LÍGIA GIL ESPUNY, Brazil

Committee Member

Ana Lígia G. Espuny is a Brazilian administrator with a master's degree in Marketing from Unisinos and an MBA in Strategic Project Management and Innovation from FADERS. She is currently a doctoral student at the School of Business at PUCRS, specializing in Marketing, and conducts managerial and academic research in the field of management, focusing on Strategic, Social, and Sustainable Marketing. She is a partner and founder of Bah! Negócios, a consulting and training company specializing in areas such as ESG, Agenda 2030, and sustainability in general. She also serves as an advisor to the Brazilian Spine Society and is a member of the management team of the ODS Movement in the State of RGS, Brazil.



Andr  Bussi res, Canada

Committee Member

Andr  Bussi res is a Full Professor in the Chiropractic Department at l'Universit  du Qu bec   Trois-Rivi res, with a cross appointment in the School of Physical and Occupational Therapy, McGill University. He held a Professorship in Rehabilitation Epidemiology (McGill University, 2012-2018). He is the lead investigator of the Global Spine Care Initiative (GSCI) of World Spine Care, and a member of World Rehabilitation Alliance (WHO) and Spine20 Scientific Taskforce. His research focuses on implementation of best practices, health service research, medical education, and clinical practice guidelines development, uptake and application. He has published over 120 scientific papers in peer-reviewed journals.



Arsanto Triwidodo

Committee Member

Arsanto Triwidodo, was born on 02 Sept 1963 at Yogyakarta central Java, post graduated Medical Doctor, medical Faculty Univ Gadjah Mada University on 1987, Orthopaedic and Traumatology Univ of Indonesia 2001, Fellowship on Orthopaedic Spine Surgeon 2004 research scholar in Spine Surgery syracuse UNNYUpstate USA on 2005, Master of Health Law SoegijoPranoto Cathollic Univ 2008, Doctoral Degree Univ Of Indonesia 2019 Novel Development Design Prototype of Lumbosacroiliaca Prothesis post total Lumbosacroectomy on Chordoma patient. Past President Indonesian Orthopaedic Spine Society, Head Dept Orthopaedic and Traumatology Koja General Hospital North Jakarta



Bernardo Misaggi, Italy

Committee Member & Speaker

Prof. Misaggi is an orthopaedic surgeon that has developed a specific experience in vertebral surgery since 1987. He learned from and assisted Prof. G.A. Frassi, who founded the Scoliosis and Vertebral Pathology Center in Gaetano Pini Orthopedics Institute of Milan. He deepened and developed his studies in the field, perfecting the techniques through fellowships in important international centers. Since 2009 is the Chairman of Spine Surgery Unit of Orthopaedics Institute Gaetano Pini. Currently the SICV & GIS president. Author of numerous articles and book chapters, he is professor of the orthopaedic surgery residency programme of the University of Milan. He is President of the Italian Spine Society and Member of European Spine Group and Italian Society of Orthopaedics and Traumatology Bernardo Misaggi (Italy)



Bhavuk Garg, India

Committee Member

Dr. Bhavuk Garg is a committed high profile academician of international reckoning with several publications of PubMed repute. He had the privilege of acquiring the requisite acumen as a skilled tactician in orthopaedic training leading to Master of Surgery from the famous department of Orthopaedics, AIIMS, New Delhi, India. Ever since, he has made rapid strides in the field focusing prime attention to spine and upper limb. With a proud label of "Best outgoing medical graduate of Delhi" and several gold medals, He has 6 international and 4 national fellowships. With several "Firsts" and "Youngests", He has the distinction of learning his subject at centers of excellence, across the globe including Washington University, USA and Dartmouth College, USA. He has also been visiting spine fellow to several national and international spine hospitals of repute. His academic interests include spine trauma, spinal deformities, degenerative spine, osteoporosis, minimally invasive spine surgeries, spinal infections, shoulder and elbow arthroplasty, trauma and congenital upper limb anomalies. He is the author of several chapters in books of repute. With the prime aim to serve his countrymen, he is developing low cost technologies and crafting patient specific instruments as well as guiding our youngsters into innovations and has gained recognition from Indian government as well as reputed universities like Stanford.



Carlo Ruosi, Italy

Committee Member & Speaker

Specialized in Orthopedics and Traumatology at the Federico II University with full marks and honors
Specialized in Physical Medicine and Rehabilitation at the Federico II University with full marks and honors
Full Professor of Pathology of the Locomotor System - Physical And Rehabilitation Medicine at the Department of Public Health of the Federico II University
Director of the School of Specialization in Physical and Rehabilitative Medicine at Federico II University
Coordinator of the Course in Orthopedic Techniques at the Federico II University



Carlos Tucci, Brazil

Committee Member

Carlos Tucci, MD, MSc is a Spine Surgeon from São Paulo, Brasil, worked as a deformity spine surgeon in a public hospital in Campinas, Brasil, from more than 10 years and was a member of AOSpine International Board. Recently has been dedicated to advocate for the cause of spine disorders in public health and is a Member and Co-founder of the Brazilian Spine Society Health Policies Commission.



Cristina Pereira, Portugal

Committee Member & Speaker

Cristina Freitas Pereira is a Physiatrist and the Technical Director of the Department of Physical and Rehabilitation Medicine at CUF Porto Hospital, Portugal. She received her medical degree from Faculty of Medicine of Porto University and completed her residency in Physical and Rehabilitation Medicine at S. João Hospital. She holds post-graduate diplomas in Hydrology and Climatology, Contemporaneous Acupuncture, and Sports Medicine. She concluded the Eurospine Diploma in Interprofessional Spine Care in 2021. Dr. Freitas Pereira is invited lecturer at Faculty of Medicine of Porto University and member of several scientific societies. She has been member of organizing committees and speaker in national and international scientific meetings.



Donna Lahey, USA

Committee Member & Speaker

Donna Lahey, RN is a Registered Nurse First Assist, Research Nurse and CEO of the multidisciplinary Spine Institute of Arizona. She was one of the first non-physicians to present research at a NASS meeting, and then became one of the first non-physician members of NASS. In 2015 she received NASS's David Selby Award for contributions to the art and science of spinal disorder management. Donna is the first non-MD/PhD member to hold a position on the NASS Board of Directors. She is Chair of the NASS Coding Committee and Co-Chair of the SpinePac Advisory Committee, and is a member of the CME and Payor Policy Review Committees as well as the Advocacy Council where she serves to advance the interests of the Spine Community with legislators in Washington D.C. She has been an invited lecturer both nationally and internationally, representing the interests of patients and spine practitioners around the world.



Erik Werner, Norway

Speaker

Erik L. Werner, MD, PhD, is a family physician in Arendal, Norway, and professor in general practice at the University of Oslo. Low back pain has been a major topic in his research for more than 20 years, as well as disability and unspecific health complaints. At the university he is the head of the 5th year of medical school, where general practice is the principal topic. He also takes place in the EUROSPINE EDISC faculty which is an advanced learning program for health care providers aiming at increasing interprofessional treatment of back pain.



Erin McEachren, USA

Speaker

Erin is dynamic and proven healthcare leader that has experience in medical device sales, marketing, strategic planning, commercialization and business development. She is currently Vice President, International, at Medtronic executing all aspects of commercial strategy. Erin excels at working cross functionally and across different geographies. She manages the strategy for innovative portfolio with capital, robotics, navigation, imaging, implant and disposables.



Everard Munting, Belgium

Committee Member & Speaker

Prof. Munting, MD, PhD, is an orthopedic surgeon. After a five-year research fellowship in biomechanics and biomaterials, leading to several original developments in the field of arthroplasty and bioactive materials, he did a clinical fellowship in Canada, at the Toronto General hospital in the spinal Unit with Prof John Kostuik. He is currently active in a community hospital in Ottignies, Belgium. He is specialized in spinal deformity surgery in the adult and the adolescent. His spine unit is a EUROSPINE Surgical Spine Center of excellence in deformity and degenerative pathology. He is involved in register based clinical research. He is a founding member of the Spine Society of Belgium. He is Past President of EUROSPINE as well as Past President of the Belgian Orthopedic and Traumatology Society (SORBCOT). Most recently, he participated in the successful launching of Brain and Spine, the official scientific journal of EUROSPINE and EANS, the European Association of Neurosurgical Societies.



Dr. Gautam Zaveri
Committee Member

Dr. Gautam Zaveri is amongst the few spine surgeons who is trained in both orthopaedic and neurosurgery of the spine. Having completed his training in India, he underwent extensive training in various aspects of spine surgery in USA, Canada and UK from 1997 to 2002. Since March 2002, he has been practicing as a Consulting Spine Surgeon in Mumbai. He has performed more than 2500 spine surgeries for a variety of spinal problems such as slipped disc, sciatica, spinal stenosis, spondylolisthesis, cervical spondylotic radiculopathy, myelopathy, spinal fractures, tuberculosis and tumors, scoliosis and kyphosis. He specializes in microsurgery, endoscopic spinal surgery and major reconstructive spinal surgery. He has been active in research and academics. Orthopaedic surgeons from different parts of India have trained with him as spine fellows and registrars. He has presented and published a number of scientific papers as well as written chapters in textbooks of spine surgery. He has been nominated The International Spine Fellow by the International Society for Study of the Lumbar Spine at Adelaide in 2000 and nominated The best Asia- Pacific Spine Faculty by the AOSpine International at Davos in 2006. He is the Immediate Past Secretary of Association of Spine Surgeons of India.



Giorgio Lofrese, Italy
Committee Member

Dr. Lofrese is a neurosurgeon specialized in cranio-cervical junction diseases and minimally invasive spine surgery and a PhD in Neuroscience and Neurotechnologies. Former resident of the Catholic University in Rome, he completed his training in Milan, Bologna, and New York, concluding it in Curitiba with an AOSpine clinical fellowship. He is currently permanent neurosurgeon at the Bufalini Hospital in Cesena, and consultant neurosurgeon at the State Hospital of the Republic of San Marino. Awarded with the European Young Researcher Award (AOSpine) and the Young Neurosurgeon Award (WFNS), dr. Lofrese in 2021 has created a new app for iPads, Spine Fine⁰, for evaluating hand function impairment/recover in patients with cervical spinal cord injury.



G Balamurali, India
Speaker

- DR. G. BALAMURALIMBBS, MRCS (Ed), MD (UK), FRCS (Neurosurgery)
- Head of Spine and Neurosurgery, Kauvery Hospital Managing Director - HAMSA Spine and Brain Rehab
- Adjunct Professor, Sree Balaji Medical College and hospital, Chennai
- Special interests in minimally invasive and complex spine surgery, spinal cord tumours, trauma and pediatric spine surgery.
- Awards – Dr APJ Abdul Kalam for working with persons with Spinal Cord Injury Best Doctor award from the Tamil Nadu Government One of the 50 most influential persons of Chennai 2020



Ian Vlok, South Africa
Speaker

Prof. Vlok holds the postgraduate degrees MMed (Neurosurgery), FC(Neurosurgery) and PhD. He is Head of Division Neurosurgery at Stellenbosch University and Chief Specialist at Tygerberg Academic Hospital in Cape Town. Dr. Volk is the current president of the College of Neurosurgeons (SA) and the National Chairperson of AO Spine(SA). He is actively involved in national and international training and serves on the executive committees of the South African Neurosurgical and Spine Societies. He also serves on the WFNS Spine Education committee. He is the current clinical director of the Sunskill post-graduate skills training facility at Stellenbosch University.



Jamiu Busari, Netherland
Committee Member & Speaker

Jamiu Busari is a consultant pediatrician and Dean of health Professions Education at Horacio Oduber Hospital, Aruba. He is also an associate professor of medical education at Maastricht University, Netherlands. Jamiu is a Maastricht University alumnus, a Harvard Macy Scholar and an HBS executive education graduate in Managing Health Care Delivery. He is a member of EUROSPINE www.eurospine.org and a faculty member for the EUROSPINE diploma in interprofessional spine care (EDISC). He is a former executive member of the Netherlands Association for Medical Education (NVMO) and former advisor to the European Respiratory Society (HERMES projects).



Jason Hannon, USA
Speaker

A seasoned medical device executive, since September 2017 he has served as President and Chief Executive Officer of Mainstay Medical Holdings plc, a global company headquartered in Ireland that has developed and commercialized the first restorative neurostimulation treatment for chronic back pain. Mr. Hannon previously served as President and Chief Operating Officer of NuVasive, Inc. Over the course of 12 years at NuVasive, he held various roles, including Executive Vice President, International; Executive Vice President, Corporate Development; and General Counsel. Mr. Hannon has a J.D. degree from Stanford University Law School and a B.A. degree from the University of California, Berkeley.



Jeffrey Wang, USA

Committee Member

Jeffrey C. Wang is currently a Professor of Orthopaedic Surgery and Neurosurgery at the Keck School of Medicine at the University of Southern California (USC). He is Co-Director of the USC Spine Center and Fellowship Director of the USC Spine Fellowship. To date, Dr. Wang has published over 500 articles, 23 book chapters, and several textbooks. Moreover, he has made over 1000 presentations regionally and internationally and has been a visiting professor throughout the United States, Europe, and Asia. He also serves on multiple editorial boards, and is the Editor-in-Chief of the Global Spine Journal. He is a Past Chairman of AOSpine, Past President of the North American Spine Society, Past President of the Cervical Spine Research Society, and a Past President of the Society for Brain Mapping and Therapeutics.



Jen Rinaldi, Canada

Speaker

Jen Rinaldi is an Associate Professor in Legal Studies at Ontario Tech University. She earned a doctoral degree in Critical Disability Studies at York University, where she studied regulation of reproductive technologies. She has a master's degree in Philosophy from the University of Guelph, where she studied same-sex marriage and constitutional law. Rinaldi is a dedicated member of Recounting Huronia, a research collective that documents the history of the Huronia Regional Centre. she is author of Institutional Violence and Disability: Punishing Conditions.



Jeremie Larouche, Canada

Committee Member & Speaker

Jeremie Larouche is an assistant professor of orthopaedic surgery at the University of Toronto. He is the associate program director for the residency program as well as the fellowship director for Sunnybrook's division of spine surgery. A passionate educator, he is always looking for ways to improve how surgery is taught. Dr Larouche is also an executive member of the Canadian Spine Society and an Associate member of the AO Spine Knowledge Forum Tumor. His research interests focus on the use of technology to improve resident knowledge and skill acquisition.



Ketna Mehta, India

Committee Member

Dr. (Ms.) Ketna L Mehta, PhD is Founder Trustee & Editor (One World), Nina Foundation, a 22 years young NGO for rehabilitation of people with spinal cord injuries in India. She is an Author of two books; 'Nano Thoughts on Management' & 'Narratives of Courage, Lives of Spinal cord injury survivors in India'. Guest editor for 3 international publications on sci.

She has been a Regional Consultant for WHO's first Research Report IPSCI (International Perspective on Spinal Cord Injury'. For the very first Rehab Exhibition, Nina Foundation was invited as the NGO Partner where a demo workshop of how Scoop Stretchers during the Golden Hour prevents a devastating spinal cord injury. Several Public Forums on spinal cord injury have been curated by her for spreading awareness. Since 25th June 2009 Nina Foundation has initiated a spinal cord injury awareness day. Their grassroots free SCI OPD & multidisciplinary camps have successfully gifted equipment, medicines, hope and solutions for living a life of dignity.

Ketna is a spinal cord injury survivor for 27 years.



Kinga Bugara, USA

Committee Member

Kinga Bugara has been executive assistant and project manager for NASS for the last 5 years. She works primarily with the NASS board of directors and key external groups like Spine20 and others. She has exceptional organizational skills and is a great communicator. Prior to coming to NASS, she was an office manager for a dental group. She brings those organizational skills to NASS. One thing she is really adept at is anticipating the needs of others. She was born in Poland but has lived in the Chicago area since she was 7 years old.



Komal Kamra, India

Committee Member

Academics: Alumnus, University of Delhi; higher studies in Zoology; research in Microbiology; teaching for 44+ years until superannuation (2019) as Associate Professor. Publications in Peer Reviewed Journals and Books; presentations at and organization of Conferences; supervisor for PhD

Defining Milestone: 39 years on feet; latter 30 years on a wheelchair post a spinal cord injury, continued academic pursuits, adding social element

Social Commitments: Peer Counselor, Indian Spinal Injuries Centre, Member, Spinal Cord Society, Founder Member, Ekatwam, self-group for Epilepsy, Secretary & Founder Member, The Spinal Foundation, a pan India organization for persons with SCI, and National awardee, 2004



Leonardo Costa, Brazil

Speaker

PHD Physiotherapist, Researcher at University of São Paulo City



Lisa Roberts, UK

Committee Member

Lisa is a Clinical Professor of Musculoskeletal Health at the University of Southampton and Consultant Physiotherapist at University Hospital Southampton. She is a former President of the Society for Back Pain Research in the UK, Chairs the EUROSPINE Membership Council, is a current member of EUROSPINE's Executive Committee, and a former member of the World Health Organization Peer Review Group for Musculoskeletal Conditions. Lisa's research interests include improving communication in clinical consultations and promoting independence using technology in spine care. Lisa is a Principal Fellow of the Higher Education Academy and a faculty member of the EUROSPINE Diploma in Interprofessional Spine Care.



Luca Ricciardi, Italy

Committee Member

Dr. Ricciardi has graduated in Medicine and Surgery in 2013 and completed the Residency program in Neurosurgery in 2019. From 2019 he is a consultant neurosurgeon, and PhD candidate in Neurosensory Plasticity. Dr Ricciardi completed a research fellowship at Mayo Clinic, Rochester, NY, USA and a clinical fellowship in spinal deformities at Catholic University of the Sacred Heart. Dr. Ricciardi is invited professor at Catholic University of the Sacred Heart and at LUISS Guido Carli University. Dr. Ricciardi authored more than 70 peer-reviewed papers and he is a Guest Editor for Systematic Reviews and Meta-Analyses for the Journal of Neurosurgical Sciences.



Luke Slawomirski, Australia

Speaker

Health economist, policy expert and former clinician with international experience and expertise in health system strategy, performance, policy analysis, development and implementation. He commenced PhD research with the Menzies Institute for Medical Research (University of Tasmania) in May 2022. For the past seven years he worked with the Organization for Economic Co-operation and Development (OECD) in Paris, France, on a range of topics including digital transformation and data governance, value-based care, patient safety and antimicrobial resistance. He worked as well in policy roles in Australia with the Commonwealth and State Health Departments. Dr. Slawomirski is a visiting lecturer at Imperial College London.



Luis Eduardo Carell, Brazil

Speaker

Co- Chief of Spinal Surgery Department at INTO (National Institute of Orthopaedics and Traumatology)
Professor of Orthopaedic Surgery
Director of Spine Fellowship Program
Board of Directors of Brazilian Spine Society- BSS
Active Fellow of Scoliosis Spine Society-SRS
Executive Member of Craniovertebral Junction and Spine Society CVJSS
Member of NASS



Marco Campello, USA

Committee Member & Speaker

Marco Campello is a Clinical Associate Professor at the Department Orthopedic Surgery, NYU Grossman School of Medicine. He teaches at the Program of Ergonomics and Biomechanics. He is the director of the NYU Langone Occupational and Industrial Orthopedic Center. He is a clinician and researcher. His research interest is in the prevention and treatment of work-related musculoskeletal disability. He has a special interest in interdisciplinary intervention and work-related health outcomes. Dr. Campello has been involved in the translation of research into clinical practice more specifically the biopsychosocial model in management of musculoskeletal disorders. He has published several articles in these areas.



Marco Teli, Italy

Committee Member

Marco Teli, MD; FEBOT (Italy - UK)

Marco Teli is a Consultant Orthopaedic Spinal surgeon and Clinical Director at the department of spinal surgery of the Rizzola Academy in Venice Italy and honorary Consultant Spinal Surgeon at the Walton centre NHS Trust in Liverpool UK. He teaches at the Milan Bicocca and Liverpool schools of Medicine. Dr Teli is currently chair of the Spine Tango registry committee and President elect of EUROSPINE, the Spine Society of Europe.



Mathew Varghese, India

Speaker

A Distinguished Alumnus of Maulana Azad Medical College, Delhi University, Dr Mathew Varghese is currently Head of department of Orthopaedic Surgery, St Stephen's Hospital, Delhi. He is also Adjunct Faculty at the Transportation Research and Injury Prevention Centre at IIT, Delhi, a WHO Collaborating Centre. He is chair of the largest clubfoot programme NGO (CIIT) in the world. He is also a founding member of ICORSI (Independent Council of Road Safety International). He has contributed to chapters/articles in several books and peer reviewed journals and is a recipient of several awards and orations. He is the first Indian in a Hundred years to give the Presidential Oration at the British Orthopaedic Association Annual Meeting 2018 and the first person outside of Europe or North America to deliver the Guildal Oration of the Danish Orthopaedic Society, 2018. He is Known for his contribution in rehabilitation of Polio victims, he was member Of TECS committee WHO Geneva and Regional Technical Advisor for Disability and also Regional Technical Advisor for Road safety at the SEARO office of WHO



Nishad Kassim, India

Committee Member

Nishad Kassim is a Post Graduate Holder in Physiotherapy speciality from the National Institute of Rehabilitation Training and research, India. He has significant Interest in Community Based Rehabilitation for People with Spinal Cord Injuries and the promotion of Para-sports among wheelchair users. He currently holds the role as Director for Health and Rehabilitation at The Association of People with Disability, India- leading the largest community based Spinal Cord Injury Rehabilitation Program in the country. His areas of Interest are Tele rehabilitation and cost effective innovations in assistive and adaptive technology.



Patriick Hsieh, USA

Committee Member

Patrick C. Hsieh, MD, brings to his patients an expertise in complex spine surgery and advanced minimally invasive surgical techniques, including reconstructive surgery for spinal deformities such as scoliosis, spinal trauma, and misalignment. He is also internationally known spine tumor expert for complex spine tumors such as chordomas, primary spine tumors, and spinal cord tumors. Dr. Hsieh's research priorities include improving patient outcomes in spine surgery and spinal oncology treatments, along with developing new treatment methods for primary spine tumors. Early in his career, he served as a distinguished scholar at the National Institutes of Health's Howard Hughes Medical Institute, where he conducted research in neurogenetics and neuro-oncology. Dr. Hsieh is a sought-after speaker at national and international medical conferences. Since 2017, he has served as an Unaffiliated Neurotrauma Consultant for the National Football League (NFL) and the NFL Players Association. He was chosen as one of America's Top Doctors by Castle Connolly.



Pierre Côté, Canada

Committee Member & Speaker

Professor Côté is an epidemiologist. He holds the Canada Research Chair in Disability Prevention and Rehabilitation and he is a Professor in the Faculty of Health Sciences at the University of Ontario Institute of Technology. He is also the founder director of the Institute for Disability Prevention and Rehabilitation Research and a Professor of Epidemiology at the Dalla Lana School of Public Health at the University of Toronto. He is the chair of EUROSPINE Diploma in Interdisciplinary Spine Care, and he is the Chair for the Methodological Area, Cochrane Rehabilitation. Professor Côté is a member, WHO World Rehabilitation Alliance. His research focuses on the etiology, prognosis and management of disability related to spine pain and mental health. Professor Côté has published more than 310 scientific papers in peer-reviewed journals.



Raghava D. Mulukutla, India

Committee Member

Dr. Raghava D Mulukutla is the Director and Chief of spine surgery at Udaiojni Hospital and Apollo Health city, Hyderabad, India. He was the Past President of Association of Spine Surgeons of India (2017-2019) and currently the President of Orthopaedic Association of South Indian States (OASIS). He is an International Faculty for AOSpine Asia Pacific and is the Editorial Board member of Indian Spine Journal and Asian Spine Journal. Has publications in International Journals, wrote Chapters in Spine text books and was one of the Editors in Chief for 8 Monographs in Spine.



Rajani Mullerpatan, India

Committee Member & Speaker

Dr. Mullerpatan is a Physiotherapist and Human Movement Scientist, exploring movement forms of daily activity, Yoga, traditional Indian sports and dance for evidence-based integration in culturally palatable health promotion strategies for attenuation of the burden of non-communicable diseases.

She is engaged in delivering evidence-based sustainable spine-care to the underprivileged people of the Raigad District in Maharashtra State of India. Dr. Mullerpatan is a Member of the Development Group for Low Back Pain-part of WHO Rehabilitation Programme on the development of the Package of Interventions for Rehabilitation (2020-2021). She has been an Executive Council Member, International Society of Biomechanics (2017-2019). Dr. Rajani Mullerpatan (M.Sc. PT 1995, Mumbai University; PhD Cardiff University, UK, 2007) is presently Professor in Physiotherapy and Director of MGM School of Physiotherapy and MGM Centre of Human Movement Science at MGM Institute of Health Sciences, Navi Mumbai.



Ralph Kothe, Germany

Committee Member

Dr. Ralph Kothe, MD, PhD is a Chief Physician in the Department of Spinal Surgery at the Schoen Clinic Hamburg Eilbek. His research interests are Orthopedics, Trauma Surgery, Spine Surgery, Radiology, Rheumatoid Arthritis, Magnetic Resonance Imaging, Biomechanics, Spinal Surgery, Orthopedic Surgery, Orthopedic Biomechanics.



Ram Chaddha, India

Committee Member

Dr. Ram Chaddha, MBBS, MS (Orthopaedics), is a Consultant Orthopaedic Spine Surgeon working at the Lilavati Hospital, Bandra, Jaslok Hospital, Peddar Road & Global Hospitals, Parel, Mumbai, INDIA. He completed his training in Orthopaedics from the L.T.M. Medical College & General Hospital, Sion, Mumbai in 1989 and continued his passion for teaching as Associate Professor of Orthopaedics at his parent institution. He completed multiple advanced fellowships in Orthopaedics & Spine Surgery in France, Germany, Switzerland & USA. Dr. Ram Chaddha comes with more than 30 years of rich experience in the field of Spine Surgery and has been associated with various hospitals in the country. His flair for teaching made him the Professor & Head of Department of Orthopaedics at the K.J. Somaiya Medical College & Hospital, Sion, Mumbai. He is the President-Elect of the Indian Orthopaedic Association for the year 2022-23. He has served on the Foreign Fellowship Committee and was the Chairman of the Centre-State Relationship Committee of the 'Indian Orthopaedic Association'. He is the Past-President of the 'Association of Spine Surgeons of India', 'Bombay Spine Society' & the 'Bombay Orthopedic Society'. He is Federation Delegate for India at the 'Asia-Pacific Orthopaedic Association'. He is on the Editorial Board of the "Asian Spine Journal", the "Indian Spine Journal" & the "Malaysian Orthopedic Journal".



Ratani Devi, India

Speaker

A medical doctor, public health and management professional, Dr. Ratna Devi brings more than 30 years of experience working to improve health outcomes in India.

Dr. Ratna Devi is the CEO and Co-founder of DakshamA Health and Education, an organisation that is dedicated to working for access to health, patient education and advocacy. She leads a cross disease Patient Alliance in India called Indian Alliance of Patient Groups (IAPG) and is the Chair of Board, IAPO (International Alliance of Patient Organisations, Board member HIA (Healthy India Alliance – the National NCD Alliance in India) and I – ORD (Indian Organisation for Rare Diseases). She holds an MBBS degree from Sambalpur University and a dual MBA from SYMBIOSIS and Manipal Institute of Distance Education. Dr. Devi also holds advisory positions at several NGOs and has contributed to research as well as publications.



Reem Bunyan, Saudi Arabia

Speaker

Dr. Reem Bunyan is the Executive Director of the G20 Global Innovation Hub for Improving Value in Health (the Hub). Established during the Saudi Arabian G20 Presidency, the Hub was established to accelerate a global transformation towards value-based healthcare. With the voluntary membership of G20 member countries and prominent international organizations (WHO, OECD, ISBD), the Hub envisions a new era of 21st century health, delivered through value-based care and works to achieve this vision through knowledge exchange, experience, and collaboration.

Reem served as the National Lead of the Chronic Disease System of Care (CD SoC) and Model of Care (MoC) Program within the Vision Realization Office at Ministry of Health. She also led the MoC Unit in Cluster E1 from inception till April 2019 for a period of two years with the fortune of experiencing the initial implementation of the CD SoC in the nation and designing and implementing the first MoC operating model in a cluster.

Reem is an American Board-Certified Neurologist who is specialized in Multiple Sclerosis with rare expertise in pediatric Multiple Sclerosis and practices at KFSHD. She is passionate about her clinical work and sees it as firm grounding for her leadership roles. She obtained a Master of Biomedical Sciences in Clinical and Translational Research (CTS) at Mayo Clinic, Rochester, MN in Multiple Sclerosis

Reem is the President of the Saudi Multiple Sclerosis Advisory Group (SMSAG) that has the mission of advancing patient and practitioner's knowledge in the field and is a member of the newly established Saudi MS Chapter.



Rita Roy, USA

Speaker

Dr. Rita Roy is Chief Executive Officer of the National Spine Health Foundation, leading the only patient-centered 501(c)(3) nonprofit dedicated to improving spinal healthcare through education, advocacy and research. With decades of medical and entrepreneurial expertise, Dr. Roy oversees the foundation's mission to help patients overcome debilitating spine conditions. She hosts the Get Back To It Podcast, telling real stories of spinal healing and recovery. Dr. Roy is a member of the FDA Patient Engagement Advisory Committee and on the Board of the U.S. Bone and Joint Initiative. Published in many peer reviewed journals, she often appears in the media. Dr. Roy received her medical degree from George Washington University where she completed a general surgery internship/residency.



Robert Meves, Brazil

Speaker

Robert Meves, MD, PhD - Chief, Spinal Surgery Department at Santa Casa de São Paulo, Brazil
President of Brazilian Spine Society 2023-24



Rumaisah Hasan, Indonesia

Committee Member, Speaker

A physiatrist 11+ years experience, neuromuscular consultant, clinical sport physiologist. She is President of Indonesia PMR society (PERDOSRI). Also a coordinator of GP curriculum of Indonesia Physical Medicines & Rehabilitation College and a founder of RHM-care, center of Rehabilitation Medicine, Homecare and edutaining. She is a clinical lecturer of Medical Faculty of Hasanuddin University of Makassar. She has been handling varies positions in medical fields. She is head of Medical Rehabilitation Department of Tajuddin Chalid (TC) Hospital Makassar and past Head of Quality & Risk committee at TC hospital, past head of community healthcare centre (PUSKESMAS) at Bantaeng district, South Sulawesi, Indonesia. She is an attending physiatrist for TC hospital to help people with varies physical disabilities due to post leprosy, amputee patients, and other causes. She has worked as Siloam international hospitals in Makassar to help people with very varies conditions, group ages, and areas. From outpatient to inpatients department, regular ward due to geriatric giants problems, cardiorespiratory problems and also varies of neuromuscular cases. She received consults from NICU. She enriched her knowledge & skills with trainings such as Musculoskeletal Ultrasound, Electrophysiology diagnostic (EMG/NCV), Pulmorespiratory Rehabilitation and Interventional Pain Management, and Clinical Sport Physiologist.



Rupinder Chahal, India

Committee Member

Dr Rupinder Chahal is the Vice Chairman, Department of Spine Surgery, Sir Ganga Ram Hospital, New Delhi. He has an experience of 25 years. Dr. Chahal completed MBBS from Manipal Academy Of Higher Education, Manipal, India in 1996 and DNB - Orthopedics/Orthopedic Surgery from DNB board, New Delhi in 2002. His interests are degenerative spine diseases, pain relief and spinal injections, deformity surgery and minimal invasive spine surgery, including transforaminal endoscopic disectomy.

Member of several spine societies and has numerous national and international publications.

He has been awarded the prestigious Dartmouth spine fellowship which is awarded to one spine surgeon every year, received in 2012. He is the Secretary of Association of Spine Surgeons of India.



Sabina Choinski, USA

Committee Member

Sabina Choinski is the Manager of International Programming and Development at The North American Spine Society (NASS) where she leads many initiatives within the NASS International (NASSi) team. Sabina has been credited with exceptional communication and organizational skills and prides herself in being a part of an organization that aims to advance global spine care. Sabina attended DePaul University where she received her Bachelor of Arts degree in Public Relations and Advertising with a Minor in Business Administration



Sanjay Wadhwa

Committee Member

Dr. Sanjay Wadhwa is MBBS and a postgraduate in Physical Medicine and Rehabilitation. He successfully completed International Course in CBR. He is currently Professor and Head, Department of Physical Medicine and Rehabilitation at the All India Institute of Medical Sciences, New Delhi. He has been a recipient of WHO Fellowship with advanced training in trauma care at the Westmead Hospital, Sydney (Australia). He also served as a WHO Advisor at the WHO Headquarters, Geneva. He has been President of the Indian Association of Physical Medicine and Rehabilitation (2019-2021), as well as Vice-President of the National Academy of Medical Sciences (India) during 2015-2021. He is a life Member of the Spinal Cord Society of India. He serves as Chairman, Sectional Committee under Bureau of Indian Standards and Convenor, ISO Technical Committee 173, Working Group 12. He represented India during the global launch of the World Report on Disability in June 2011 at the UN Headquarters, New York.

His areas of interests include Impairment Rating and Disability Evaluation. He served as Chairman of the National-level Committee (Govt. of India) for framing of guidelines for assessment and certification of persons with locomotor disability. He is passionate about care, cure, and rehabilitation of persons with spinal problems.



Saumyajit Basu, India

Committee Member

Graduated in the year 1992 from Calcutta Medical College securing 2nd position in the University with the University Gold Medal in Medicine, MS (Orthopaedics), University of Calcutta in 1997, securing 1st position in University and President's Gold Medal, FRCS (Edinburgh), 1998, Diplomate, National Board of Orthopaedics (DNB) 1999.

Spinal Fellowship, 2002 at Center for Spinal Studies, Queens Medical Center, Nottingham, UK. Presently working as Head, Department of Spine Surgery, Kothari Medical Center, Kolkata, INDIA. Currently involved in about 600 spine surgeries yearly, out of about 1000 done in the department. Main areas of interest are Spinal Deformities and Cervical Spine – established a personal database of 10,000 documented spinal surgeries. Program Director, Fellowship of National Board (FNB), ASSI, AO Spine, APSS and SSWB Visiting Fellowship, Kothari Medical Centre, Kolkata, India, Chair, Regional Course Committee and Active Member, Scoliosis Research Society (SRS), President, Association of Spine Surgeons of India (ASSI), President, Spine Society of West Bengal (SSWB), Member, AO Spine Knowledge Forum (Spinal Deformity), Deputy Editor, Indian Spine Journal (ISJ). About 300 presentations in regional/national/international seminars and conferences, Nearly 50 indexed journal publications/12 Book Chapters



So Kato, Japan

Committee Member

So Kato graduated from the medical school at the University of Tokyo, Japan in 2007, and started its orthopaedic training program thereafter. He completed the complex spine surgery fellowships in University of Toronto, Canada from 2014 to 2017. Currently, he serves as an assistant professor of the University of Tokyo, specializing in spinal deformity. He is a member of Scoliosis Research Society, Cervical Spine Research Society, the Japanese Orthopaedic Association as well as the Japanese Society for Spine Surgery and Related Research. In 2021, he joined AO Spine Knowledge Forum Deformity as an associate member.



Shankar Acharya, India

Committee Member

Prof. (Dr) Shankar Acharya is a well-renowned spine surgeon. He is working as a Chairman, Department of Ortho-Spine Surgery & Senior Consultant Orthopaedic & Spine Surgeon at Sir Ganga Ram Hospital (SGRH), New Delhi. He was the past president of Association of Spine Surgeons of India (ASSI). He was appointed as Professor of Orthopaedics, GRIPMER, Indraprastha University since July 2013. He was the Past Chairman, AO Spine India from 2008-2011. He is actively involved in teaching Postgraduates. He has FNB fellows being trained under him in Spine surgery. He is also the Member of Governing Body of KIIT University, BBSR.



Shekhar Bhojraj

Speaker

Dr. Bhojraj is the most familiar and top Spine Surgeon in Mumbai with qualifications MS, FCPS (ORTHO), D (ORTHO). Dr. Shekhar Bhojraj has taken various special trainings on AO spine fellowship from UK, Y. Cotrel spine fellowship from France, Kenton Leatherman spine fellowship from Louisville University, Kentucky with his special interests in spinal deformities, spinal tumors and spinal tuberculosis. Dr. Shekhar Bhojraj is the first dedicated specialized spine surgeon in India. He was the first doctor and surgeon in India who decided to dedicate himself to spine care, and in the process gave birth to the super-specialty that doctors have since followed and practiced.

After passing out from Mumbai's KEM Medical College, he practiced there as an orthopaedic surgeon. His increasing interest in the growing field of spine care made him travel across the world to learn more about it. Eventually, he decided to focus on the spine and set up India's first specialized spine unit at KEM Hospital. The spine unit was doing excellent work but more resources were needed for research and development. He is ex-president and ex-secretary of ASSI. He has 13 International Publications and various awards including 1st In Orthopaedics In Ms Orthopaedics Examination – March 1983 – University Of Bombay. He is the President and Chief Trustee of Spine Foundation. This foundation is involved in serving the poor patients in urban city of Mumbai and tribal- non tribal rural population of and around Gadchiroli in association with an NGO called SEARCH. The Spine Foundation is also involved in training of young orthopaedic surgeons in the field of spine surgery and also has been conducting Spine Workshops across India to promote Spine Surgeries amongst the orthopaedics and neurosurgeons.



Sudhir K Srivastava, India

Committee Member

Presently working as Professor in Orthopaedics , K.J.Somaiya Medical College and Research centre , Somaiya Ayurvihar. Consultant Spine Surgeon, Dr L.H.Hiranandani Hospital , Powai , Mumbai
Involvement in Different Academic bodies : - President Elect – Association of Spine Surgeons Of India, Past President of Bombay Spine Society. He Received Medal and Awards during undergraduate and Postgraduate curriculum, VTI Gold Medal for Best scientific paper in Spine week at Singapore. He obtained a Life time Achievement Award by Spinal Cord Injury Society. He is a Life member of IOA , and member of ASSI,WOC ,TSOI,SCS,BOS, APSS, Member of A.O. Spine. He have published more than 70 scientific papers in different national and international Journal and written chapters in books.



Saiful Asmiragani, Indonesia

Committee Member

Dr. Syaifullah is a consultant Spine Surgeon at Saiful Anwar Hospital and Lecturer at Faculty of Medicine , Brawijaya University. He has completed his orthopedic residency in Dr Soetomo Hospital - Airlangga University, Surabaya in 2003, and he joined a spine fellowship at Ciptomangunkusumo Hospital-University of Indonesia in 2007.

Currently he is being appointed as Director of Nursing and Medical Services at Saiful Anwar Hospital, Malang, East Java , Indonesia. He is also a member of The Indonesian College of Orthopaedic and Traumatology, and his main practice involves different aspects of spine pathologies. Dr. Syaifullah is the current President of Indonesia Spine Society.



S. Rajasekaran

Committee member & Speaker

Dr S. Rajasekaran is the Chairman of the Department of Orthopaedics, Trauma & Spine Surgery, Ganga Hospital, Coimbatore, India. He is immediate past president of Asia Pacific Spine Society. He was previously the Chair of AOSpine International Board; Chair of AOSpine International Research Commission; President of SICOT; President-CSRS-AP; President of the Indian Orthopaedic Association; President of the Association of Spine Surgeons of India; President of International Society for the Study of Lumbar Spine, Canada and President of the World Orthopaedic Concern.

His academic distinctions include being the Hunterian Professor for the year 2011-12 by the Royal College of Surgeons of England; 'Distinguished Visitor' to Harvard Medical International, Boston, USA; Grand Rounds Lecturer of Dartmouth University, USA and Mayo Hospital, USA; Adjunct Professor of Orthopaedic Surgery, Tamilnadu Dr MGR Medical University; Deputy Editor of the Journal of Bone & Joint Surgery; Journal of SPINE, USA; Global Spine Journal, USA and Editorial board of European Spine Journal.



Yahya Alqahtani, Saudi Arabia

Committee Member

Dr. Al Athbah is a spine and orthopedic consultant working in the medical services on the presidency of state security in Riyadh. He is an executive board member and the treasurer of Saudi Spine Society. He is a member of SPINE20 founding team. Dr. Alqahtani specialty and sub-specialty training was in 3 countries (Saudi Arabia, France, Canada) he was **exposed to different health systems and was able to appreciate their impact on the quality of patient's life.**



Yudha Mathan Sakti, Indonesia

Committee Member

2006 DR. Hasan Sadikin General Hospital Bandung, West Java

2009 Surgery Department University of Gadjah Mada – Sardjito General Hospital Jogjakarta

2012 Orthopaedic & Traumatology Department University of Gadjah Mada –Sardjito General Hospital Jogjakarta (awarded as the best candidate for the board national exam of orthopaedic and traumatology)

2014 Spine Surgeon, Kolegium Ilmu Orthopaedi dan Traumatologi Indonesia – Fakultas Kedokteran Universitas Indonesia, Jakarta, Indonesia

2021 President MISST Asean, 2021 Vice President Young Surgeon APOA, 2021 Board of Faculty Spine Society Basic Course, 2019 Education Commission Member Indonesian College of Orthopaedic and Traumatology

2019 Professional Development and Continuing Education (CPD/CME) Indonesian Orthopaedic Association

2019 Chairman of the Education and Research Commission (Research) Pedicle Club Indonesia

Accreditations

DELHI MEDICAL COUNCIL

The Delhi Medical Council approves accreditation of CME for the SPINE20 2023-One Earth, One Family, One Future without spine disabilities on 10th August 2023 & 11th August 2023 at Indian habitat Center, New Delhi



Delhi Medical Council
Bringing Doctors & Patients Together

Date	Credit Hours
10 th August 2023	7 Hours
11 th August 2023	4 Hours

Participants are required to maintain a record of CME Credit Hrs. in their CME Credit Passbooks which is available at the website; www.delhimedicalcouncil.org in a downloadable form.

NORTH AMERICAN SPINE SOCIETY

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After the meeting concludes, you will be sent a survey and e-certificate



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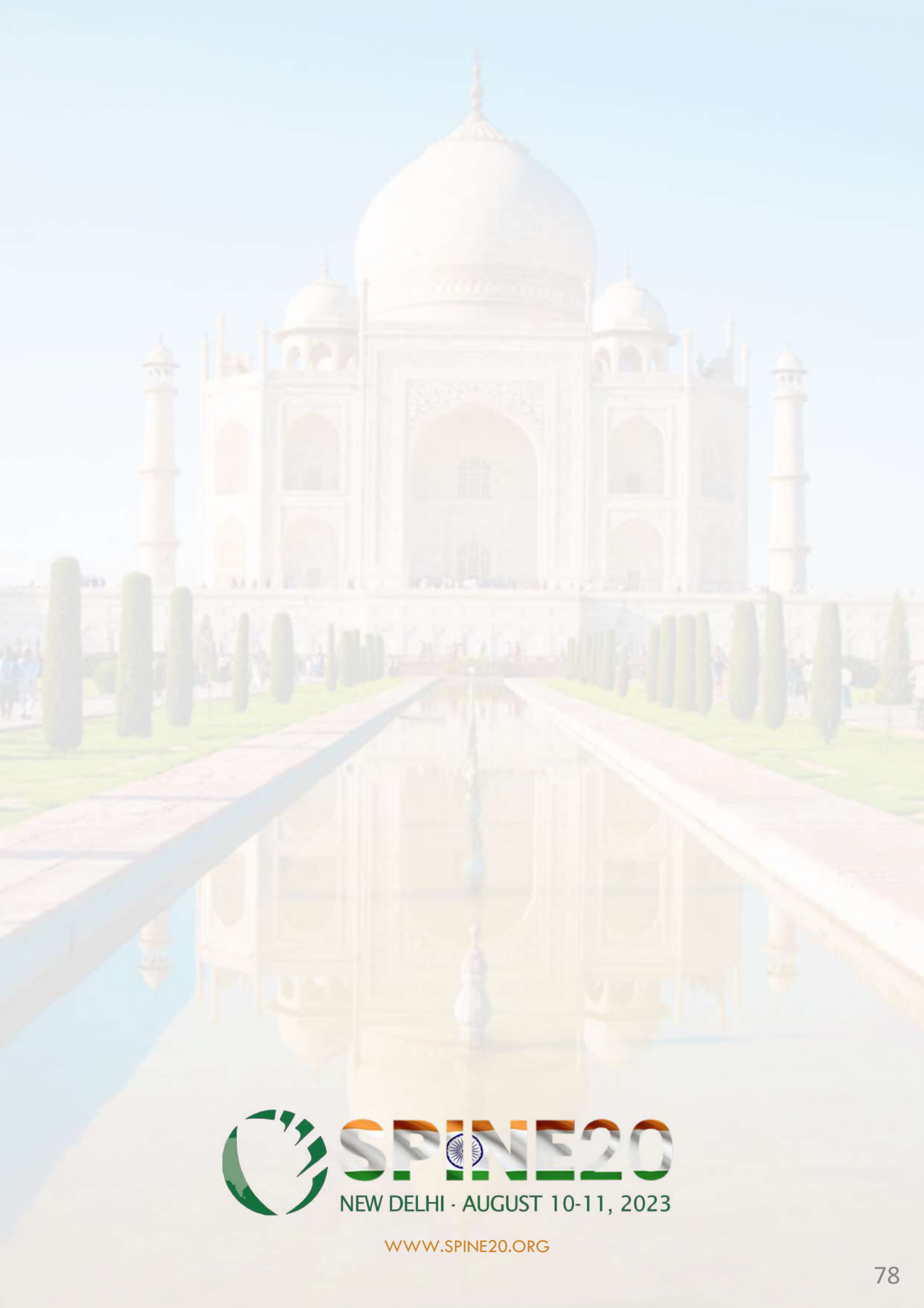
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