



VALUE-BASED SPINE CARE

Optimizing the Spine Care while Maximizing
the Resources Utilization

C20 SUMMIT

THURSDAY - October 8, 2:30 - 4:00 PM KSA



Overview

Eighty percent of the population will experience back pain at any stage of their life, some of those will end up having catastrophic consequences. In 2010, musculoskeletal disorders were the cause of nearly 166 million years lived with disabilities (YLDs), neck and low back pain accounting for 69% of the total. This explains the reason spine diseases are considered to be a major cause of disability and has a significantly high cost in both emerging economies & the industrialized countries. There is a definite need to improve spine care globally in order to decrease spine disabilities and costs. Advocacy, education, and government policies are mandated.



All age groups may suffer from **back pain** that would severely compromise their quality of life.

Value-Based Spine Care

With the new changes in the people lifestyle world-wide, the prevalence of back pain is getting higher. The wide spectrum of spine pathology, multiple professional backgrounds are involved, huge diversity in the treatment options are available, and the very fast growing medical and surgical technologies are featuring the complexity of the spine practice. Most of the existing practice worldwide are fragmented, multiple disciplines are working independently, with lack of appropriate utilizations of outcome measures.

Value-based health care is a framework for reconstructing health care systems around the globe with overreaching of value for patients. In another way, we could define that value as being the health outcomes that matter to patient versus the cost of delivering healthcare. Standardized measurement tools are needed for both items, the outcome measure and the cost. Patients, provider, payer, supplier, and society are all going to benefit from such approach.

Value-Based Spine Care Session

Theme

Optimizing the Spine Care while maximizing Resources Management.

Objectives

Spine experts and societies' leaders from different part of the world will meet to urge the best solutions in assuring delivering that valuable treatment options for spine patients.

Target Audience

Spine Practitioners - Global Spine Leaders - Health Economists - Public Health Leaders - Health Strategic Planners - Spine Industrial Leaders & Investors - Government Health officials & Legislators

Program

Moderator Sami I. AlEissa, SA

Timing	Topic	Speaker
2:30 – 2:40	Back problems; the number one cause of disability and loss of function worldwide	Margareta Nordin, FR
2:40 – 2:45	Panel discussion	
2:45 – 2:55	Outcome measure in spine care	Hana Alsobayel, SA
2:55 – 3:00	Panel discussion	
3:00 – 3:10	Achieving clinical effectiveness in Spine practice	S. Rajasekaran, IND
3:10 – 3:15	Panel Discussion	
3:15 – 3:25	The need for internationally adopted clinical practice guidelines for spine diseases	Thomas Blattert, GER
3:25 – 3:30	Panel Discussion	
3:30 – 3:40	Defining the value of spine care: economic burden of spine diseases and procedures	Jeffrey Wang, USA
3:40 – 3:45	Panel Discussion	
3:45 – 3:55	Spine Center of Excellence; the ideal solution!	Frank Kandziora, GER
3:55 – 4:00	Panel Discussion	

Topics Highlights & Speakers

Back problems; the number one cause of disability and loss of function worldwide

It is estimated that more than 1 billion people are disabled globally. Spine pain i.e. low back pain and neck pain are among the most common reasons for disability. In fact, low back pain is the leading cause of Years Lived with Disability (YLDs) in the world. The cost of low back pain disability alone reaches up to 6% of GDP in some countries. Women, the elderly and low-income populations are the most affected, thus, it is urgent for governments to mitigate the increasing burden of spine disability on health, the economy, and our social security systems and by developing policies to prevent its development and reduce its human and economic burden.

Prof. Margareta Nordin ,France



Dr. Nordin is Professor, Departments of Orthopaedics and Environmental Medicine, School of Medicine, New York University (NYU), New York, NY, USA. She was the President of the International Society for the Study of the Lumbar Spine, World Spine Care Europe and EUROSPINE. Dr. Nordin is a founding member of SPINE20 . Dr. Nordin is the founder of the Occupational and Industrial Orthopaedic Center, NYU Langone Medical Center and the Past Program Director of the Program of Ergonomics and Biomechanics, Graduate School of Arts and Science, NYU. She has been a panel member of 7 larger international taskforces on low back pain, neck pain and musculoskeletal disorders. She has published 240 peer reviewed scientific articles and is the author of several books in biomechanics and musculoskeletal disorders. She is currently an expert for low back pain at the World Health Organisation. Dr. Nordin's primary interest is to prevent disability from spine disorders.

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Outcome measure in spine care

New models of spine care are required that better reflect patients' individual needs through care that is patient-centered, coordinated, and provides choice and value. This talk highlights the importance of outcome measurement to evaluate an individual's health status and functional level across the spine care pathway, which is a cornerstone in implementing the value-based health care.

Dr. Hana I. Alsobayel, Saudi Arabia



Hana Alsobayel is an Associate Professor and consultant in physical therapy at King Saud University in Riyadh, Saudi Arabia. Obtained her MSc. in Rehabilitation Therapy from Queen's University in Canada, followed by PhD in Physiotherapy from King's College London in UK. For over 25 years, she has been involved in academia and research in national and international universities. Her research interests and publications are mainly in self-management of chronic conditions, physical activity assessment and promotion, and cultural adaptation of disability evaluation and outcome measurement. Professionally, she has been active in the development of physical therapy profession nationally and internationally. She is one of the women leaders in higher education in Saudi Arabia through her various senior managerial posts. Her contribution in education and research was acknowledged by the World Physiotherapy by receiving the International Service Award in 2019. She has participated in many international and national conferences and symposia.

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Topics Highlights & Speakers

Achieving clinical effectiveness in Spine practice

Clinical effectiveness is an umbrella term describing a range of activities that support clinicians/health care professionals to examine and improve the quality of care. To achieve proper Clinical effectiveness, we need structures and processes to assess the results and disseminate the findings aiming for practice modifications & improvements. Many tools have been used to achieve clinical effectiveness in spine practice, such as national registries, clinical practice guidelines, clinical pathways, patient education and prevention programs.

Prof. Shanmuganathan Rajasekaran, India

Prof. Rajasekaran is the Chairman of Department of Orthopaedics, Trauma & Spine Surgery, Ganga Hospital, Coimbatore. Currently, He is the Chair of AOSpine International Board, President Elect, Asia Pacific Spine Society, and Chairman, Constitution Review Committee of APOA. Prof. Rajasekaran led many professional organizations, e.g.; SICOT, CSRS-AP, ASSI, Indian Orthopaedic Association. Prof. Rajasekaran was the Hunterian Professor for the year 2011-12 by the Royal College of Surgeons of England and a 'Distinguished Visitor' to Harvard Medical International. Prof. Rajasekaran is the Deputy Editor of The Bone & Joint Journal, the Journal of SPINE, Global Spine Journal, and Editorial board member of European Spine Journal. Prof. Rajasekaran has 326 publications, and 960 international presentations, he contributed 59 chapters in international books and is the Chief Editor of a Video Atlas of Spine Surgery and the ASSI Textbook on Spinal Infections & Trauma. Prof. Rajasekaran was awarded many international prestigious research awards.

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The need for internationally adopted clinical practice guidelines for spine diseases

This talk will focus on the chances and opportunities of internationally harmonized education curricula for spine specialists. It will illustrate the threats of divergent treatment practice and encourage the adoption of internationally recognized clinical practice guidelines.

Prof. Thomas R. Blatter, Germany

Prof. Blatter is an orthopedic and trauma surgeon, specialized in spinal surgery and trauma management. He currently holds a position as Professor and Medical Director of the Department for Spine Surgery and Traumatology at Orthopaedische Fachklinik Schwarzach, Germany. Former resident of Harvard University, Boston, and spine fellow at Fritz Magerl's Spine Center in St. Gallen, Switzerland, he is the current Vice President of EUROSPINE, the Spine Society of Europe and holds a title of Visiting Professor at Xi'an Jiaotong University Medical College Honghui Hospital, China. He is Associate Editor of Orthopaedic Surgery and a regular reviewer for Spine and Biomaterials. Prof. Blatter brings a strong expertise in spinal trauma and spinal tumors and additionally focuses on osteoporotic spine, minimally invasive procedures, and augmentation techniques with biomaterials.

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Topics Highlights & Speakers

Defining the value of spine care: economic burden of spine diseases and procedures

Musculoskeletal conditions, particularly spine, are the leading cause of disability, loss of healthy life years and loss of productive life years across the globe. Despite many disease-specific and more general clinical guidelines for musculoskeletal and spine conditions, delivery of high-value care to people living with long-term musculoskeletal conditions is always a challenge. Health systems and their healthcare practitioners worldwide have sought to understand how to reduce these health and economic burden to come up is what could be labeled as valuable approach to spine practice.

Prof. Jeffrey Wang, USA

Professor Wang is a Professor of Orthopedic Surgery and Neurosurgery at the Keck Medical Center at University of Southern California (USC) and being the Co-Director of the USC Spine Center and Fellowship Director of the USC Spine Fellowship, Prof. Wang is the Past Chairman of AOSpine, and on the board of directors of several major spine societies (North American Spine Society, Cervical Spine Research Society, Collaborative Spine Research Society). He is the past President of the Cervical Spine Research Society, and a Past President of the North American Spine Society. Dr. Wang has published over 400 articles, 23 book chapters, and several textbooks. Moreover, he has made over 800 presentations regionally and internationally and has been a visiting professor throughout the United States, Europe, and Asia. He has been the honored guest speaker at several international Spine, Orthopedic, and Neurosurgery Society Meetings. He also serves on multiple editorial boards and is the Editor-in-Chief of the Global Spine Journal.



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Spine Center of Excellence; the ideal solution!

A center of excellence is a team, a shared facility or an entity that provides leadership, best practices, research, support and/or training for a focus area. It characterizes a highly specialized institution which has exceptional equipment, highly qualified personnel, experience and competence on its field. The Spine practice involves Wide spectrum of pathology & trauma that could affect all age groups, highly specialized practitioner from multiple disciplines usually getting involved heavily in the management of spine diseases. In addition to that, spine practice is one of the fastest growing and evolving area in medicine with huge burden on health economy. Spine Center of Excellence will be the ideal solution for many challenges that spine practice is facing these days, it will maximize patient care and assure the implementation of Value Based Health Care principles

Prof. Frank Kandziora, Germany

Prof. Kandziora graduated from and was promoted to “Dr. med.” by the J. W. Goethe-University in Frankfurt. When he finished his orthopedic training and his PhD thesis, he became associated Professor (“Priv.-Doz.”) at the Humboldt-University and Head of the Charite Spine Group at the Center of Musculoskeletal Surgery, Campus Virchow Clinic (CVK). In 2008, he took over the chairman position at the multidisciplinary Center for Spinal Surgery and Neurotraumatology at the BGU Hospital in Frankfurt. Currently, he is teaching at the Goethe-University in Frankfurt. He has published more than 100 original articles, has received multiple scientific awards, and is a board member of several national and international scientific organizations and foundations. He is currently the president of the German spine society (DWG) and the chairman of the EUROSPINE task force of the spine center of excellence certification program.



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Topics Highlights & Speakers

Moderator



Sami I. AlEissa, MD (Saudi Arabia)

Dr. AlEissa is a consultant adult and pediatric Spine Surgeon and an associate professor at the college of medicine, KASU-HS. He is the Head of orthopedic and spine services, KAMC, Riyadh. His main practice involves different aspects of complex spine pathologies. Dr. AlEissa has led the Orthopedic Scientific Council for the Saudi Commission of Health Specialties for 4 years, and he is currently a member of higher medical authority at the Ministry of health. Dr AlEissa is a co-Founder of the Saudi Spine Society and was the 1st president for its first 3 years. He is also a Co-founder of SPINE20 and he will be the chairman for the SPINE20 meeting in Riyadh, November 10-11, 2020. Dr. AlEissa was awarded King Abdulaziz Medal of Excellence by the order of the Custodian of the two Holy Mosque, King Abdullah Bin Abdulaziz Al-Saud.

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SPINE20 is an advocacy group founded in 2019 by the Saudi Spine Society, EUROSPINE, the North American Spine Society and the German Spine Society in an effort to improve spine care on a global level through recommending policies in the G20 countries 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 and treatments. The ultimate goal of SPINE20 is to provide recommendations that could optimize spine care options for communities and patients worldwide.