

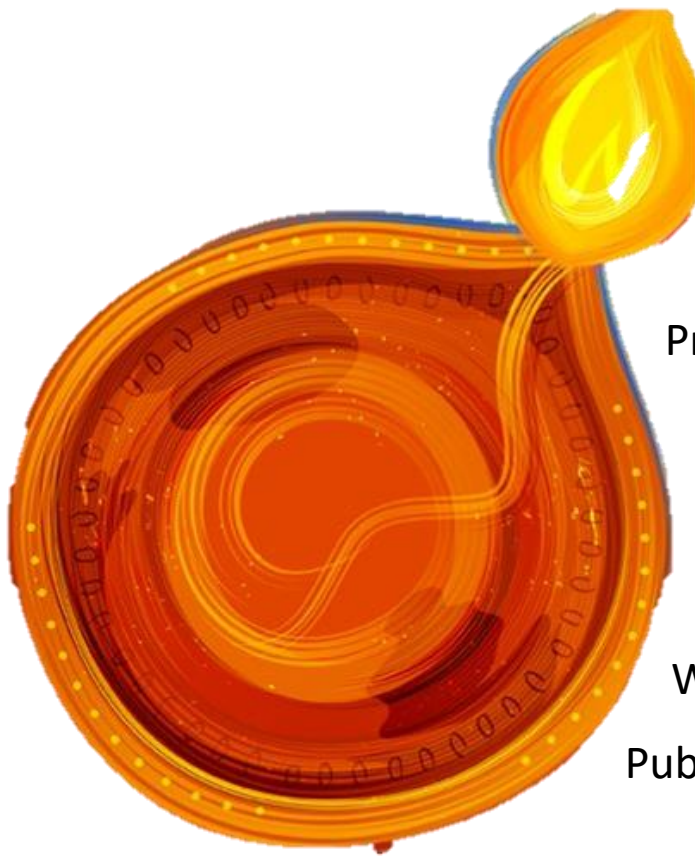


POSI

POSITIVE

The Official Newsletter of Paediatric
Orthopaedic Society of India

November 2020



In this issue

From the Secretary.... Sandeep Patwardhan

Webinars and beyond....Dhiren Ganjwala

Projected Future....Alaric Aroojis

Cool Gurukul....K Venkatsdass

Patient Education Resource ...Manoj Padman

The Journey of the Journal...Jayanth Sampat

World wide webTaral nagda Easwar T R

Publish and Flourish....POSI members

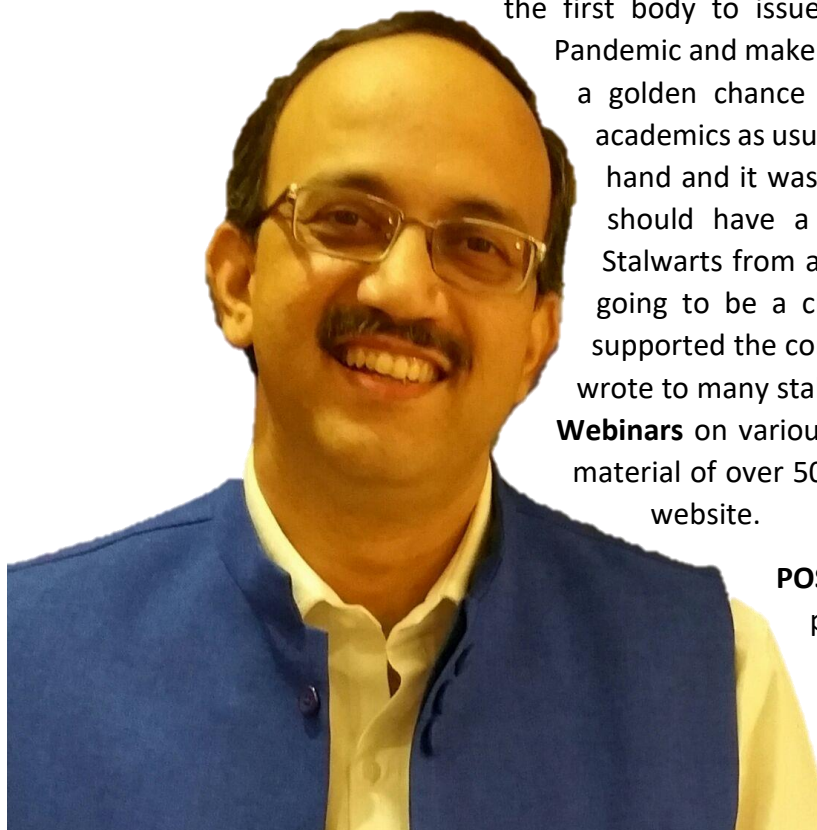
Dear Friends,

I would like to wish all members a very Happy Diwali. Let there be light to destroy all evils, ignorance, fear and spread cheer all around the world.

From the Secretary

Welcome to POSITIVE the POSI Newsletter.

We started 2020 enthusiastically with a wonderful **POSICON at Coimbatore** hosted by Dr Venkatdass and the new executive committee took charge full of ideas and enthusiasm. But then The Pandemic stuck and the mood became somber and fearful with uncertainty over the future. We witnessed an unprecedented **Lockdown** and people were out of work and tense. After the reality of the situation sunk in, POSI was the first body to issue **guidelines to doctors** about patient care in the Pandemic and make it available on its website. POSI realised this could be a golden chance to boost Academics and was at the forefront of academics as usual quickly. People realised that they have free time on hand and it was time to sharpen the brain. We had an idea that we should have a Meet the Masters programme where we invite Stalwarts from abroad and learn from them but finding funding was going to be a challenge. Our President, Dr. Dhiren Ganjwala who supported the concept led from the front and went a step further and wrote to many stalwarts around the world and POSI conducted over 30 **Webinars** on various Paediatric Orthopaedic Topics and today we have material of over 50 hours of viewing time available to members on the website.



POSICON 2021 GOA which was due in Jan was postponed to 2022 and the Executive Committee took it upon themselves to conduct the 1st Web conference of POSICON 2021 in Jan. The previous registrations for the GOA meeting have been carried forward.

Meanwhile, Dr Alaric Aroojis, our Vice President is overseeing 2 prestigious **POSI projects**

1.The National DDH Screening Programme, and is collaborating with Paediatric, Neonatology, Gynaecology , Radiology Associations to evolve a consensus and

2.The CP HIP surveillance programme, with IACP under guidance of Dr Ashok Johari to an advanced stage of finalisation with help from all Senior POSI members like Dr Ramani Narsimhan, Dr Sakti Das and Friends of POSI from abroad, like Dr Kishore Mulpuri, Dr Abhay Khot and Dr Mohan Betul.

Dr Jayanth Sampath also deserves kudos for the excellent work he has done in creation of the **IJPO, International Journal of Paediatric Orthopaedics**, the official POSI journal. I request all members to contribute to the journal, and we hope to get it PUB med Indexed soon.

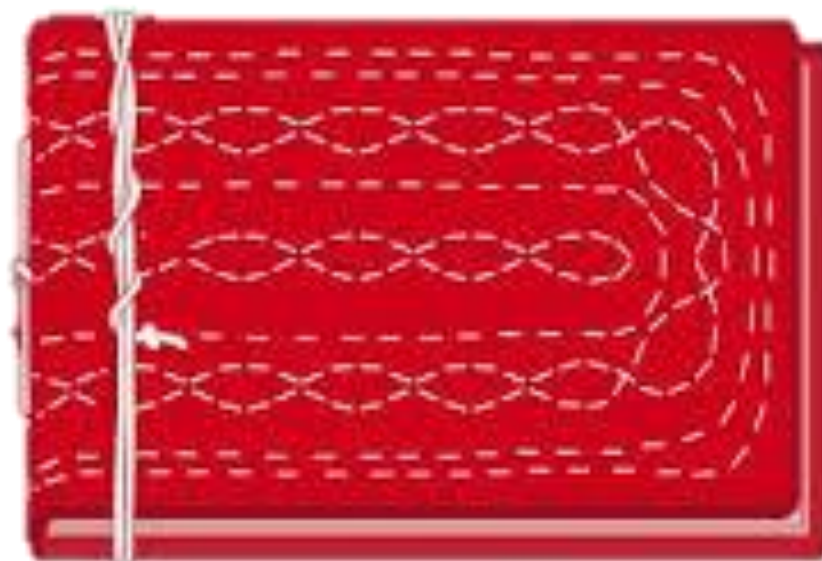
POSI members also published extensively in various journals in the Pandemic times. A list of the publications by POSI members can be found in this newsletter.

POSI also started the **POSI PG Gurukul** for educating the Post Graduates and already 5 episodes have been aired under the Leadership of Dr Venkatdass.

We also plan to start **POSI Patient information and education resource (PIER)** on the website and are in the process of creating content under the leadership of Dr Manoj Padman, Dr Viraj Shingade and Dr Bibhudatta Sahu.

SRCC NH Children Hospital, Mumbai was accredited by POSI for Paediatric orthopaedic fellowship during the pandemic and POSI wishes to thank Dr Ashok Johari and Dr Alaric for sparing time for the same. Accreditation of CNBC, Delhi was renewed online.

We have also received 16 applications for new membership which will be ratified at POSICON 2021.POSI also received highest applications (20) for the **Prof Kaye Wilkins Inland fellowship** as





well as the POSI UK and Canada Fellowships, and the fellowship committee has done a great job in selecting the best candidates.

We are also in the process of revamping the **website**, making the records of POSI digital and enhancing digitisation of all processes for the future and making it up to world standards. We have been lucky to have a dedicated team in form of Dr Taral Nagda, Dr Easwar and Dr Ashok Shyam, who have helped us in enhancing digital processes and improving communication with members and the world orthopaedic community.

Dr Hitesh Shah, our efficient treasurer has made sure that the bank accounts are transferred and are now digitally accessible so that payments can happen digitally to POSI in the future .

I would urge all members to visit our website www.posi.in and register for POSICON 2021 Web Conference which promises to be exciting as usual, and submit abstracts for Free papers best papers soon .

Also contribute original articles, case reports to IJPO by writing to the editor and following the submission process.

We have done a lot in 9 months but a lot more remains to be done and we look forward to a vibrant POSI for the future.

The eyes of the world are upon us.

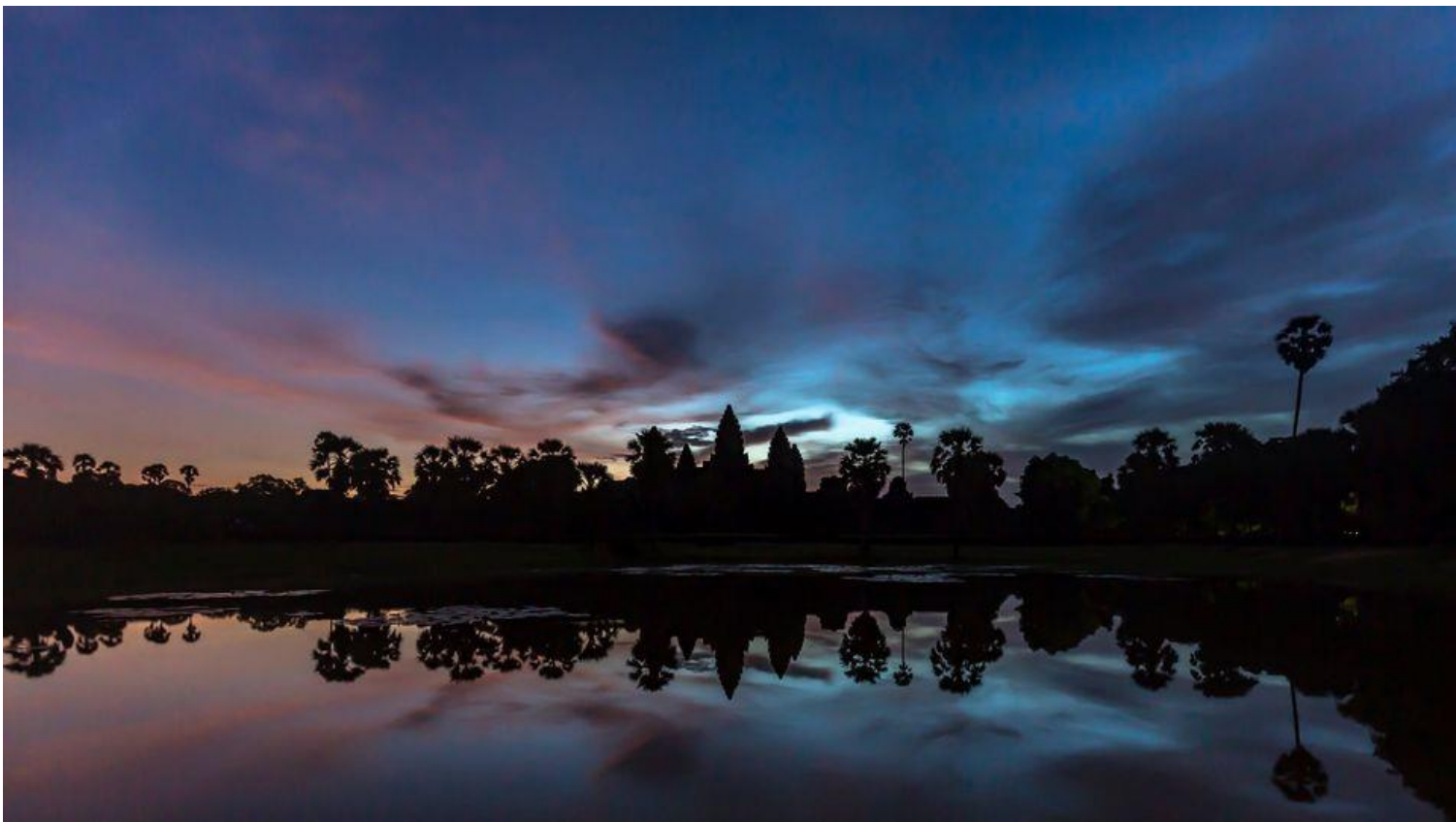
Warm regards

Sandeep Patwardhan

Secretary , POSI .

One thousand words..

Picture Perfect




Predawn at Angkor Wat

Clicked by *Vijay Sriram*

Webinars and Beyond

President's Pendrive

Improvement of care of children having musculoskeletal problems is one of the important objectives of POSI. Annual conferences of POSI are the important events for exchange of knowledge. POSI news-letters and journals are the second source of transfer of knowledge.



POSI webinars became the third modality for the same purpose. We started our webinar activity on 25th March 2020. We were new to the technology and so our 1st webinar was a recorded webinar. Then came the COVID-19 crisis. It affected most of us significantly and negatively. But it was a boon for the POSI webinars. **We had almost one webinar every week for few months. We completed more than 30 webinars in last 7 months.**

We had a galaxy of faculty from 5 continents. We covered various topics related to paediatric orthopaedics but also covered - how to safeguard us from covid.

In addition to lectures by expert faculty, our members presented their challenging cases.

The exchange of knowledge was the hallmark of these webinars. If we consider the total duration of the webinars, it comes to more than 50 hours, almost 4 times of our annual conference.

These webinars are live telecasted for the members and we also archived them at our website www.posi.in so that members can view them later.

Our committee is working hard to innovate the format of the webinar so that we draw maximum benefit out of it. Please feel free to suggest new topics and faculty.

Dhiren Ganjwala

President POSI

PAEDIATRIC ORTHOPAEDIC SOCIETY OF INDIA



Presents

POSI WEBINARS



Webinar 3
Missed Monteggia Fracture-Dislocations & Complex Radial Neck Fractures

Webinar Faculty

Dr Mark Camp MD, MSc (Bioethics), FRCS
The Hospital for Sick Children
Orthopaedic Surgeon, Orthopaedic Surgery
University of Toronto
Assistant Professor, Department of Surgery

Webinar will Stream on 25th March 2020 at 8 pm India Time
Join us on www.posi.in or www.orthotvonline.com to Watch the Webinar

POSI Webinars are conducted by POSI in association with 

Paediatric Orthopaedic Society of India



presents Live POSI webinar on

CROUCH GAIT in Cerebral palsy

Patellar Tendon Shortening & Distal Femur Extension Osteotomy: are these rogue surgeries in a way?
29th April, Wenesday, 7.30 - 9 pm IST




Speaker:
Dr. Paulo Selber,
Columbia University,
New York

Moderator: Taral Nagda
Panellists: Sameer Desai (Pune), Ratna Maheshwari (Mumbai)

Please log on <https://bit.ly/POSI-7>
You can ask question on WhatsApp 9320329888

This program is made possible with technical support from 



Paediatric Orthopaedic Society of India



presents Live POSI webinar on


Rational management options in CPT

14th May, Thursday, 7.30 - 9 pm IST

Speakers:
Alvin Crawford, USA, Benjamin Joseph, India
Moderator: Premal Naik
Panellists: Binoti Sheth, Sandeep Vaidya

Please log on bit.ly/OrthoTV-POSI-13
You can ask question on whatsapp 98250 32523

This program is made possible with technical support from 

Paediatric Orthopaedic Society of India



presents Live POSI webinar on

Management of Tibial Hemimelia

10th July, Friday, 8.30 - 9.45 pm IST



Speaker: **Michael Weber,** Germany, UAE
Moderators: Dhiren Ganjwala, Sandeep Patwardhan
Panellists: Ruta Kulkarni, Cherry Kovoov

Please log on bit.ly/OrthoTV-POSI-24
You can ask question on whatsapp 98230 63989

This program is made possible with technical support from 

Paediatric Orthopaedic Society of India
www.posi.in

31st live POSI Webinar

Management of the Relapsed Clubfoot



15th October, Thursday,
8.30 - 10 pm IST

Speaker:
Jose Morcuende
Iowa, USA

Expert Panellists:
Christof Radler, Austria,
John Mukhopadhyay, India
Monica Nogueira, Brazil,
Viraj Shingade, India

To watch click on
bit.ly/OrthoTV-POSI-31
To ask question whatsapp
73394 14779

Technical support from **ORTHOTV**
Orthopaedic Video Channel


Paediatric Orthopaedic Society of India

32nd Live POSI Webinar

Management of Upper Extremity Problem in CP

6th November, Friday,
8.30 - 10.15 pm IST

Speaker: **Carley Vuillermin**, Boston, USA

Expert Panellists:
Peter Waters, USA,
Marybeth Ezaki, India,
Jayanth Sampath, India,
Chasana Rathod, India

Participate on Zoom Pre-register on
<https://us02web.zoom.us/j/863063989>
Watch on Ortho TV bit.ly/OrthoTV-POSI-32
Ask questions on WhatsApp 98230 63989

ORTHOTV
Orthopaedic Video Channel






POSITIVE



I am extremely proud of POSI leadership for organizing such an excellent series of webinars in quick succession, on topics that were relevant to not only their members, but orthopedic surgeons worldwide. The faculty, both national and international, were well chosen, and represented a diverse background. The panel discussion and time keeping was impeccable. I am hoping that POSI leadership continues to organize and archive such webinars on a regular basis, as this educational platform brings together a wide array of experts with limited expense and allows global viewership.

Sanjeev Sabharwal, USA

When the leadership of POSI first contacted me in the early days of the evolving pandemic asking me to give a presentation in the POSI webinar series, I thought it was interesting and innovative. Little did I know how insightful and productive this effort would prove to be. This webinar series has a very broad reach and appeal and has featured a diverse and rich range of topics. The platform is easy to access. The panel format of discussants coupled with the chat option for attendees creates a highly interactive and valuable experience. I have never before had an opportunity to reach so many people with a single presentation.

Tom Novacheck, USA



I would like to congratulate the Pediatric Orthopedic Society of India for reaching out to a great number of professionals dedicated to paediatric orthopedics and allied health - nationally and internationally - through their 2020 webinar series. In a year where resilience has become essential as air, water, and food - POSI has used its respectable position to produce and share knowledge through enjoyable, informal and friendly webinars. Science, evidence, expertise and passion for our profession and ultimately for our patients transpired in each and every episode of this honourable project. Thank you POSI.

Paulo Selber, USA



Cool ways to teach and learn

POSI PG Gurukul



The POSI-PG Gurukul is a series of webinars initiated by POSI with a vision of training the Orthopaedic Residents in common paediatric orthopaedic problems. Though there is a surplus of volume of paediatric orthopaedic cases in our country, unfortunately there is a dearth of experienced paediatric orthopaedic surgeons across various medical institutions in the country to impart the required knowledge to the students. Since there is lack of uniformity in the availability of trained paediatric orthopaedic surgeons in the country, **POSI has started this 'paediatric orthopaedic teaching webinars' with a specific goal of training the young post-graduates.** On this front, it was planned to involve younger members of POSI to be "Gurus" who would give a talk on a particular topic for 30 minutes followed by 30 minutes of interactive session by senior POSI members who are named as "Satgurus".

The topics are chosen in a way to cover common paediatric orthopaedic problems, which the residents would face not only in the exams but also in their day-to-day clinical practice. We believe that this will help to upsurge the paediatric orthopaedic knowledge of the residents as well as pave way to develop interest in some of the residents to take up the specialty.

The webinar usually happens on the third Friday of every month between 8 and 9pm.

K Venkatdass

Member Executive Committee and Project In-charge POSI PG Gurukul






POSITIVE

Date & Session	Topic	Guru	Satgurus
19/06/2020 Gurukul – 1	Clinical Examination of the Hip	Dr Vidyasagar, Hyderabad	Dr Anurag Agrawal, New Delhi Dr Gopinath Menon, Chennai
17/07/2020 Gurukul – 2	Relapsed and late presenting CTEV	Dr Soumya Paik, Kolkatta	Dr Mathew Varghese, New Delhi Dr Alaric Aroojis, Mumbai
21/08/2020 Gurukul – 3	Perthes disease – All that you need to know	Dr Somesh Virmani, New Delhi	Dr Gopakumar TS, Perinthalmanna Dr Hitesh Shah, Manipal
18/09/2020 Gurukul – 4	Osteotomy for deformity correction – where, why & how?	Dr Amit Nemade, Nagpur	Dr PN Gupta, Chandigarh Dr Binoi Seth, Mumbai
16/10/2020 Gurukul – 5	Elbow Enigmas in Exams – approach & solutions	Dr Deeptiman James, Vellore	Dr Bobby John, Ludhiana Dr Rujuta Mehta, Mumbai

Paediatric Orthopaedic Society of India

presents the 1st lecture of 'POSI PG Gurukul' on
Examination of child's hip
Friday, 19th June, 2020, 8.00 - 9.00 pm

Guru **Satguru** **Satguru**

Dr. Vidyasagar
Sunshine Hospital,
Hyderabad

Prof. Gopinath Menon
Sri Ramachandra
Institute, Chennai

Dr. Anil Agarwal
Chacha Nehru Bal
Chikitsalaya, New Delhi




Registration is free, but mandatory.
Please register by filling out the following form at
tiny.cc/POSI

Registration restricted to first 90 delegates.
P.S – the first 5 registrants will be able to interact
live with Guru & Satgurus

Paediatric Orthopaedic Society of India

presents 2nd lecture of 'POSI PG Gurukul' on
Relapsed and late presenting clubfoot
Friday, 17th July, 2020, 8.00 - 9.00 pm

Guru **Satguru** **Satguru**

Dr. Soumya Paik
Apollo Gleneagles
Hospital, Kolkatta

Dr. Mathew Varghese
St. Stephen's Hospital,
New Delhi




Dr. Alaric Aroojis
Wadia Children's
Hospital, Mumbai

Registration is free, but mandatory.
Please register by filling out the following form at
tiny.cc/POSI

Paediatric Orthopaedic Society of India

presents 3rd lecture of 'POSI PG Gurukul' on
Perthes disease - All that you need to know
Friday, 21st August, 2020, 8.00 - 9.00 pm

Guru **Satguru** **Satguru**

Dr. Somesh Virmani
Medanta The Medicity
Gurugram

Dr. Gopakumar TS
MES Medical College
Perinthalmanna

Dr. Hitesh Shah
Kasturba Medical
College, Manipal

Registration is free, but mandatory.
Please register by filling out the form at
tiny.cc/POSI

Projected future

POSI Projects

POSI has initiated two important collaborative projects for the academic year 2020-21

Development of DDH screening guidelines and DDH Care Pathway

POSI took the lead in setting up a high-level DDH Expert Group comprising of members of various national organizations involved in paediatric care, in order to establish contextually-relevant screening guidelines for DDH in India.

This project rests upon four important legs:

1. Awareness : Creating awareness among Paediatricians & PCPs about the incidence & deleterious effects of late-diagnosed DDH
2. Evidence : Collecting evidence from existing literature the help development of guidelines. Simultaneously to detect gaps in literature for future research.
3. Consensus : Generating consensus from experts where evidence is not available by relying on clinical practice & experience.
4. Implementation : Ensuring that guidelines are practical & useful for dissemination & immediate implementation

The entire timeline for this project is expected to be 1 year.

The first step involved recruiting relevant healthcare providers to the management of patients with DDH in order to form a DDH Care Pathway Expert Group.



We partnered with various national organizations; such as the Indian Academy of Pediatrics (IAP), National Neonatology Forum of India (NNFI),

Indian Radiological and Imaging Association (IRIA), Indian Federation for Ultrasound in Medicine and Biology (IFUMB), Indian Orthopaedic Association (IOA) & the Federation of Obstetric and Gynaecological Societies of India (FOGSI); with each organization nominating a few representatives.

These organizations represent over 120,000 healthcare specialists in India, which speaks to the scope of this project and the impact the care pathway will have upon implementation.

The goal of this stage was to sensitize all members of the interdisciplinary group to the topic and administer surveys to help us understand practice patterns, local needs, and access to resources and expertise. We began regular monthly Zoom meetings to share relevant literature and discuss the role of various screening modalities. After this stage we moved onto **the Delphi approach, which consists of multiple rounds of survey interspersed with online group meetings.** The multi-round process begins with a comprehensive list of consensus statements on the topic, and participants rate their agreement with each statement. After the survey is completed, the working group then meets to discuss the statements where consensus was not reached. This iterative process continues until there is a list of statements that have reached consensus across the group — these statements are then used to develop the Care Pathway. Once the guidelines & care pathway are finalized, the results will be disseminated widely on various organizations' websites, newsletters & associations' apps / social media etc. A white paper will be prepared & the project will be submitted for publication to reputed, peer-reviewed national / international journals. This project has the potential to standardize diagnosis and management decisions and decrease the prevalence of walking-age DDH on a global scale. We propose to complete this project by March 2021.



Development of guidelines for CP hip surveillance

A similar process is being followed to develop hip surveillance guidelines for Cerebral Palsy (CP). **A National Committee has been constituted comprising of senior members from POSI, Indian Academy of Cerebral Palsy (IACP), IAPMR (Indian Association of Physical Medicine & Rehabilitation), AIOTA (All India Occupational Therapists Association), Association of Child Neurology (AOCN), IAP (Indian Association of Physiotherapists), IOA (Indian Orthopaedic Association) and IAP (Indian Academy of Paediatrics).**

During Phase I of the project (May – Sept 2020), a very detailed literature review was conducted by members of the committee under 8 different modules, covering natural history & risk factors for hip displacement in CP, existing global surveillance systems, radiology, outcomes, management and review of Indian literature on the topic. This was mainly to sensitize the group to the problem and creating awareness about the magnitude of the problem and gaps in evidence. We are now starting with Phase II – the actual development of Indian guidelines using established international guidelines, evidence from literature and consensus-building using the Delphi approach. **Once the guidelines are finalized and tested to be relevant to the Indian context, we will begin the 3rd phase of implementing various tools for active dissemination of the guidelines.** These will include online resources, publications, mobile apps, e-learning modules, integration with existing clinical decision support systems, social media, press releases, CMEs & conferences etc. We also plan to liaise with existing government initiatives such as the Rashtriya Bal Swasthya Karyakram (RBSK) so as to ensure widespread implementation even



implementation even

POSI is extremely grateful to the research team at BC Children's Hospital, Vancouver, Canada for providing academic inputs, technical expertise, access to their REDCap database for conducting surveys and the Delphi process, ethics approvals, and a dedicated research student to co-ordinate and assist in both projects. We also thank the International Hip Dysplasia Registry (IHDR) & I'm a HIPpy for committing to provide educational grants to fund various expenses we are likely to incur during the guideline development and implementation phases of both projects.

Dr. Alaric Aroojis

Vice-President, POSI & Project Lead

Great collaboration with @POSI_in and many other organizations in India to improve hip health of children in India. No child should suffer from the burden of Hip Dysplasia.

Kishore Mulpuri

B C Children's Hospital Vancouver
Canada



PIER REVIEW

Patient education

POSI Patient Information & Education Resources

During the EC meeting on 9th August 2020, it was decided to create online content on POSI website for the benefit of parents and caregivers, which would be a reliable and authenticated source of information about common Paediatric Orthopaedic problems. **The content would be created in a format which would be easily understood by the lay public** and in the first instance would cover a range of common non-traumatic pathologies. While the material would be comprehensive in order to provide as much information as possible, care would be taken to ensure that there is no endorsement by POSI about any specific line of management or about any specific care provider.

It was decided that other members of the EC as well as younger members of POSI would be co-opted to provide preliminary content which would subsequently be vetted. **The material would be made available on the website and accessible to the general public**, and over time this information source could be used by all POSI members to counsel families and care givers.



Manoj Padman



Viraj Shingade



Bibhu Datta Sahoo

Journey of the POSI Journal

IJPO

All said, 2020 has been the most eventful year in living memory. In spite of the challenges faced due to the pandemic, the POSI Editorial Team is pleased to report good progress on the academic front. At the time of hand-over in January 2020, POSI had an arrangement with the publishing house Wolters Kluwer to bring out the Paediatric Orthopaedics and Related Sciences (PORS) journal. Shortly after POSICON 2020, we received an offer from Indian Orthopaedic Research Group (IORG) to publish the POSI journal. IORG has been publishing International Journal of Paediatric Orthopaedics (IJPO) with free full-text online access since 2015. After due

deliberation, it was decided in the EC to take up this offer. **IJPO is now the official POSI journal and members have the opportunity to submit articles to the journal without any processing charge.**

The call to expand the editorial team received an enthusiastic response from POSI members. The in-house team of 20 associate and assistant editors is supported by an equal number of reviewers. This capacity gives us the ability to quickly review submissions and provide a decision to authors. Our idea is to encourage submissions from postgraduates and young surgeons. As part of the review process, the team has been providing constructive inputs to authors about improving the language and content of the submissions. I would like to thank the existing editorial team for their contributions.

The first POSI issue of IJPO will be released shortly with further issues being published on a quarterly basis. Free full-text access to the journal is available on www.ijpoonline.com. Lastly, I request every POSI member to encourage their trainees to submit their work to IJPO. Please write to me with your comments and suggestions editor.posi.ijpo@gmail.com.



Jayanth S Sampath FRCSed (Tr & Orth) Editor, POSI.



POSITIVE

**Reach
for the
Stars..**
Virtually

POSI

POSI
2021
VIRTUAL CONFERENCE

27th Annual Conference of
Paediatric Orthopaedic
Society of India
January 2021
23,24,30,31

Registration and Abstract submission
OPEN
www.posi.in

Matthew Dobbs

Harold Van Bosse

Sanjeev Sabharwal

Salil Upasani

Fergal Monsell

Ken Illingworth

Kerr Graham

Durai Nayagam



POSITIVE

World Wide Web

IJPO

POSI website which was started in 2004 is a reflection of the evolution of the organisation

We invite you to log on to this fountain of information and knowledge

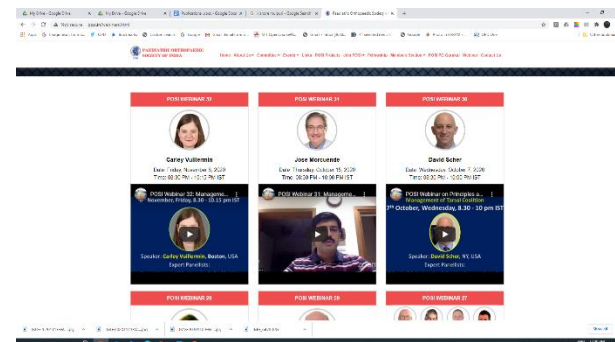
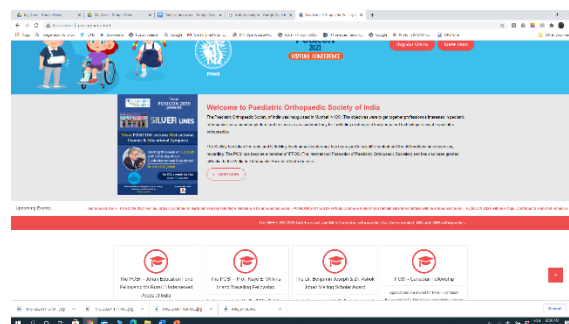
- History of POSI : Past conferences, Newsletters
- Events information: forthcoming conferences and online registration and abstract submission
- Posi Webinars: direct open access to videos of the POSI webinars 31 till date
- POSI PG Gurukul: open access to postgraduate teaching sessions of POSI
- POSI NEWS : updated information on POSI's ongoing projects, fellowships and events
- Silverlines: Open access videos of Silver POSICPN ICLs

POSi is active on social media Facebook, Twitter, Whatsapp, You tube

We now have a mix of experienced and youth with team consisting of Taral Nagda, T S Easwar and Ashok Shyam.

The POSI webinars and POSI PG Gurukul have had unprecedented global reach and we hope that POSICON 2021 virtual conference will continue the momentum.

Taral Nagda T S Easwar Ashok Shyam



Publications 2020

Publications by Members of POSI 2020. Based on List submitted to Secretary POSI. If your work does not feature here please email to secretary.posi.in@gmail.com

The get the updated listing click on

https://drive.google.com/file/d/1P0Am95vIRGJ_dIJC5JqH4c2QWHex42Hg/view?usp=sharing

Publish to Flourish

Alaric Aroojis

- 1) Aroojis A, Mantri N, Johari AN. Hip displacement in cerebral palsy: the role of surveillance. Indian J Orthop 2020. <https://doi.org/10.1007/s43465-020-00162-y>
- 2) Pinto DA, Aroojis A, Mehta R. Swaddling Practices in an Indian Institution: Are they Hip-Safe? A Survey of Paediatricians, Nurses and Caregivers. Indian J Orthop 2020. <https://doi.org/10.1007/s43465-020-00188-2>
- 3) Shah A, Aroojis A, Mehta R. The Ponseti method of treatment for neuromuscular and syndromic (non-idiopathic) clubfeet: evaluation of a programme-based approach at a mean follow-up of 5.8 years. Int Orthop 2020. <https://doi.org/10.1007/s00264-020-04677-9>
- 4) Hooper N, Aroojis A, Narasimhan R, Schaeffer EK, Habib E, Wu JK, Taylor IK, Burlile JF, Agrawal A, Shea K, Mulpuri K. Developmental dysplasia of the hip: an examination of care practices of Orthopaedic surgeons in India. Indian J Orthop 2020. <https://doi.org/10.1007/s43465-020-00233-0>
- 5) Pinto DA, Aroojis A. Fractures of the proximal femur in childhood: a review. Indian J Orthop 2020. <https://doi.org/10.1007/s43465-020-00259-4>
- 6) Rangasamy K, Mehta R, Gopinathan NR, Aroojis A, Behera P, Dhillon MS. Changes in the management of clubfoot cases during COVID-19 pandemic – a survey among Orthopaedic surgeons. Indian J Orthop 2020. <https://doi.org/10.1007/s43465-020-00277-2>
- 7) Aroojis A, Pragadeeswaran V. Return to the New Normal': Innovative solutions for safe Ponseti casting in clubfoot clinics during the COVID-19 pandemic. Indian J Orthop 2020. <https://doi.org/10.1007/s43465-020-00265-6>
- 8) Textbok Chapter Aroojis A, Pirani S, Banskota B, Banskota AK, Spiegel DA (2020). Clubfoot Etiology, Pathoanatomy, Basic Ponseti Technique, and Ponseti in Older Patients. In: Gosselin R., Spiegel D.,



Foltz M. (eds) Global Orthopedics. Springer, Cham. ISBN: 978-3-030-13289-7, pp 383-96.
https://doi.org/10.1007/978-3-030-13290-3_34

Atul Bhaskar

Bhaskar AR, Kansara P. A review of “Capture Rate” between physicians and caregivers suspicion leading to diagnosis of late presenting DDH. Int Jour Paed Orth, Vol 6(2); May-Aug 2020:7-11

Hitesh Shah

- 1) Girisha KM, Bhavani GS, Shah H, Moirangthem A, Shukla A, Kim OH, Nishimura G, Mortier GR. Biallelic variants p.Arg1133Cys and p.Arg1379Cys in COL2A1: Further delineation of phenotypic spectrum of recessive type 2 collagenopathies. Am J Med Genet A. 2020 Feb;182(2):338-347.
- 2) Matsumoto H, Hyman JE, Shah HH, Sankar WN, Laine JC, Mehlman CT, Schrader T, Kelly DM, Rosenfeld SB, Janicki JA, Thacker MM, Trupia E, McGuire MF, Kim HKW; International Perthes Study Group. Validation of Pediatric Self-Report Patient-Reported Outcomes Measurement Information System (PROMIS) Measures in Different Stages of Legg-Calvé-Perthes Disease. J Pediatr Orthop. 2020 May/Jun;40(5):235-240.
- 3) Singh KA, Shah H, Joseph B, Aarvold A, Kim HKW. Evolution of Legg-Calvé-Perthes disease following proximal femoral varus osteotomy performed in the stage of avascular necrosis. J Child Orthop. 2020 Feb 1;14(1):58-67.
- 4) Jay Krishanan, Shah H. Hemiepiphysiodesis using 2-holed reconstruction plate for correction of angular deformity of the knee in children. J Orthop, 2020, 20: 54-59. <https://doi.org/10.1016/j.jor.2020.01.001>
- 5) Jay Krishanan, Shah H. A rare case of rubber band syndrome of wrist with distal radius and ulna fracture. J Orthop 2020, <https://doi.org/10.1016/j.jor.2020.01.010>
- 6) Ahammad J, Kurien A, Shastry S, Shah HH, Nayak D, Kamath A, Badagabettu S. Age and gender-related reference ranges for thromboelastography from a healthy Indian population. Int J Lab Hematol. 2020 Apr;42(2):180-189.
- 7) Kumar A, Sagar V, Shah H. Does the timing of the treatment affect the complications of the neck femur fracture in children? J Orthop 2020, 22:207-212.
- 8) BK AR, Singh KA, Shah H. Orthopedic manifestation as the presenting symptom of acute lymphoblastic leukemia. J Orthop. 2020 ; 22; 326-330.
- 9) Laine JC, Novotny SA, Tis JE, Sankar WN, Martin BD, Kelly DM, Gilbert SR, Shah H, Joseph B, Kim HKW; International Perthes Study Group. Demographics and Clinical Presentation of Early-Stage Legg-Calvé-

Perthes Disease: A Prospective, Multicenter, International Study. J Am Acad Orthop Surg. 2020 Aug 27. doi: 10.5435/JAAOS-D-19-00379. Epub ahead of print. PMID: 32868700.

- 10) B K AR, Singh KA, Shah H. Surgical management of the congenital dislocation of the knee and hip in children presented after six months of age [published online ahead of print, 2020 Aug 8]. Int Orthop. 2020;10.1007/s00264-020-04759-8. doi:10.1007/s00264-020-04759-8.
- 11) Singh KA, Shah H, Joseph B. Comparison of plaster-of-Paris casts and Woodcast splints for immobilization of the limb during serial manipulation and casting for idiopathic clubfoot in infants. Bone Joint J. 2020 Oct;102-B(10):1399-1404. doi: 10.1302/0301-620X.102B10.BJJ-2020-0181.R4. PMID: 32993325. Malhotra M, Shah H. Comparison of outcome between idiopathic and non-idiopathic congenital vertical talus treated with soft tissue release. J Pediatr Orthop B. 2020 Oct 29. doi: 10.1097/BPB.0000000000000815. Epub ahead of print. PMID: 33136793.
- 12) Narayana Kurup JK, Shah HH. Congenital pseudoarthrosis of the radius in Neurofibromatosis Type 1: An entity not to be missed! J Orthop. 2020 Sep 23;22:427-430. doi: 10.1016/j.jor.2020.09.013. PMID: 33029048; PMCID: PMC7527621.

Indranil Kushare

- 1) Shimberg JL, Aoyama JT, Leska TM, Ganley TJ, Fabricant PD, Patel NM, Cruz AI, Ellis HB, Schmale GA, Jagodzinski JE, Kushare I, Lee RJ, McKay S, Rhodes J, Sachleben B, Sargent C, Yen Y, Mistovich RJ. Tibial Spine Fractures: How Much Are We Missing Without Pretreatment Advanced Imaging? A Multicenter Study. Am J Sports Med 48(13): 3208-3213.
- 2) Kushare I, Wunderlich N, Elabd A, Attia E Pediatric and adolescent Lisfranc injuries – presentation, treatment and outcomes The Foot 2020 doi.org/10.1016/j.foot.2020.101737
- 3) Bram JT, Aoyama JT, Mistovich RJ, Ellis HB Jr, Schmale GA, Yen YM, McKay SD, Fabricant PD, Green DW, Lee RJ, Cruz AI Jr, Kushare I, Shea KG, Ganley TJ. Four Risk Factors for Arthrofibrosis in Tibial Spine Fractures: A National 10-Site Multicenter Study Am J Sports Med 48(12): 2986-2993.
- 4) Kushare I, Wunderlich N, Dranginis D Simultaneous bilateral versus unilateral tibial tubercle fractures 2020 J Clin Orthop Trauma doi:10.1016/j.jcot.2020.08.007
- 5) Kushare I, Ghanta R, Wunderlich N Morel-Lavallée Lesions (Internal degloving injuries) of the Lower Extremity in the Pediatric and Adolescent Population.2020 The Physician and Sports Medicine. doi:10.1080/00913847.2020.1803712



- 6) Shilt J, McHorse G, Moisuic A, Kushare I Chemoprotection with botulinum toxin following proximal hamstring-ischial tuberosity avulsion fracture repair, 2020 J Clin Orthop Trauma
<https://doi.org/10.1016/j.jcot.2020.06.030>
- 7) Kushare I, Elabd, Attia, E Missed fracture dislocation of the fifth toe in a two-year-old child: a case report. J Foot Ankle Surg.2020. <https://doi.org/10.1053/j.jfas.2020.06.021>
- 8) Kushare I, Allahabadi S, McKay S, Posterior ankle impingement disguised as peroneal tendon subluxation in young athletes – a case report J Clin Orthop Trauma 11 (3):479-481.
doi.org/10.1016/j.jcot.2020.03.008
- 9) Kushare I, Beran M, Klingele K, Attia E, Elabd A, Inneh I, McKay S. Classification of ACL Tears in the Pediatric and Adolescent Population. Orthop J Sports Med. March 2020; 8(4_suppl3):2325967120S0025. DOI: 10.1177/2325967120S00255.
- 10) Kushare I, Ditzler M, Jadhav S.P Delayed diagnosis of posterior ankle impingement in pediatric and adolescent patients, does radiology play a role? Pediatr Radiol (2020) 50: 216.
<https://doi.org/10.1007/s00247-019-04547-6>
- 11) Kushare I, Lee RJ, Ellis HB, Fabricant PD, Ganley TJ, Green DW, McKay SD, Patel NM, Schmale GA, Weber MB, Tibial Spine Research interest group (PRISM), Mistovich RJ, Tibial Spine Fracture Management - Technical Tips and Tricks from the Tibial Spine Fracture Research Interest Group JPOSNA Vol 2, No 1(2020): May 2020 doi:<https://www.jposna.org/ojs/index.php/jposna/article/view/68>

K Venkatdass

- 1) Paediatric Ankle Fractures – Guidelines to Management, K Venkatadass, V Durga Prasad, G Sangeet, S. Rajasekaran; Indian Journal of Orthopaedics, Sep 2020
- 2) Ender's nailing of displaced tibia shaft fractures in children - A nine-year experience, V Durga Prasad, G Sangeet, S Rajasekaran, K Venkatadass, Injury, Oct 2020
- 3) Is the Acetabulum Retroverted in SCFE? A Study of Acetabular Morphology in Indian Children with SCFE, K Venkatadass, S Muthukumar, A Gomathi, S. Rajasekaran, Indian Journal of Orthopaedics, June 2020
- 4) Management of slipped capital femoral epiphysis: Results of a survey of the members of the Paediatric Orthopaedic Society of India (POSI), S.P.Sivakumar, S. Rajasekaran, K.Venkatadass, Journal of Clinical Orthopaedics and Trauma, May 2020
- 5) Paediatric trigger thumb – congenital or developmental? - unique report of a case, K Venkatadass, Praveen Bhardwaj, S. Rajasabapathy, Journal of Hand and Microsurgery, Apr 2020
- 6) Anterior Physeal Separation of Distal Humerus: Report of a Rare Case with Review of Literature, Deny Kurien Mathew, Sangeet Gangadharan · Venkatadass Krishnamoorthy, Rajasekaran Shanmughanathan, Indian Journal of Orthopaedics, Apr 2020

7) Perspectives and Consensus among International Orthopaedic Surgeons during Initial and Mid-lockdown Phases of Coronavirus Disease, Journal of Hand and Microsurgery, July 2020

Maulin Shah

An unreported case of Streptococcus cristatus septic arthritis of wrist in a neonate. Gaurav Gupta a, Manu Chaudhary b, Aliraza Khunt c, Viral shah d, Maulin M. Shah. Journal of Clinical Orthopaedics and Trauma 11 (2020) 328e331.doi : 10.1016/j.jcot.2019.02.002.

Minimally Invasive Subscapularis Release: A Novel Technique and Results. Shah MM, Naik N, Patel T, Gupta G, Makadia A. Journal of Pediatric Orthopedics. 2020 Jul;40(6):e466-e472. doi: 10.1097/BPO.0000000000001458. PMID: 32501917

Primary Epiphyseal Osteomyelitis (PEO) in 18 Children: A Rare Entity With Atypical Features. Maulin Shah, Gaurav Gupta, Aakash Makadia, Qaisur Rabbi. Journal of Pediatric Orthopedics. 2020 Aug;40(7):361-366. doi: 10.1097/BPO.0000000000001551.

Close Reduction Technique for Severely Displaced Radial Neck Fractures in Children. Maulin M. Shah, Gaurav Gupta, Qaisur Rabbi, Vi kas Bohra, Kemble K. Wang. Indian Journal of Orthopaedics, 2020 July; 1-7.DOI: 10.1007/s43465-020-00168-6.

Protrusio acetabulae as a sequel to septic arthritis of the hip with obturator internus pyomyositis. Gupta, Gaurav; Rabbi, Qaisur; Bohra, Vikas; Shah, Maulin M. Journal of Pediatric Orthopaedics B. Post Author Corrections: October 29, 2020. ahead of print. doi:10.1097/BPB.0000000000000823

Mandar Agashe

- 1) Shah M, Agashe MV. Supracondylar Humerus fractures: A Classification-based treatment algorithm. Indian J Orthop. 2020. E-pub.
- 2) Agashe MV, Sagade B, Bansal A. Functional and Radiological Outcomes following Calcaneo-Cuboid-Cuneiform osteotomy for the treatment of Planovalgus feet: A Short-term Analysis. Indian Journal Of Orthopaedics. E-pub.
- 3) Mehta R, Agrawal A, Joshi S, Agashe M, Sinha S. Unusual combination of a Fracture Monteggia Equivalent with post-traumatic Radial Artery pseudoaneurysm in a child: A case report and review of literature. J Bone Joint Surg Case Connector. 10(3):e19.00327, July-September 2020



- 4) Agashe MV, Pinto DA, Vaidya SV. Modified Dunn osteotomy for Moderate and Severe Slipped Capital femoral epiphysis- A retrospective study of thirty hips. Indian J Orthop. E-Pub. <https://doi.org/10.1007/s43465-020-00156-w>
- 5) Agashe MV, Vaidya SV, Chauhan H, Dhamele J, Naik P, Nagda TV. CT-guided percutaneous Drilling of Osteoid Osteoma. A safe, minimally-invasive and cost-effective method. Indian J Orthop. 2020, Jan-Apr.
- 6) Bansal AV, Mehta R, Agashe MV. Widely divergent congenital tibio-fibular diastasis with a separate soft tissue cover and persistent sciatic artery: A previously unreported combination. J Bone Joint Surg case Connector, 2019 Dec, 9 (4). E(070).
- 7) Vaidya SV, Aroojis A, Mehta R, Agashe MV, Dhawale A, Bansal AV, Sarathy K. Short Term Results of a New Comprehensive Protocol for the Management of Congenital Pseudarthrosis of the Tibia. Indian J Orthop. 2019 Nov-Dec;53(6):736-744. doi: 10.4103/ortho.IJOrtho_155_19. PubMed PMID: 31673175; PubMed Central PMCID: PMC6804390.

Premal Naik

- 1) Nonunion in Pediatric Femoral Neck Fractures. Sanghavi S, Patwardhan S, Shyam A, Nagda T, Naik P.J Bone Joint Surg Am. 2020 Jun 3;102(11):1000-1010. doi: 10.2106/JBJS.19.01117. PMID: 32265357
- 2) CT-Guided Percutaneous Drilling of Osteoid Osteoma: A Safe, Minimally Invasive and Cost-Effective Method. Agashe M, Vaidya S, Dhamele J, Chauhan H, Naik P, Nagda T. Indian J Orthop. 2020 Feb 11;54(2):194-199. doi: 10.1007/s43465-019-00029-x. eCollection 2020 Apr. PMID: 32257037
- 3) Functional improvement in patients with Sprengel's deformity following Modified Green's procedure and simplified clavicle osteotomy-a study of forty cases. Naik P, Chauhan H. Int Orthop. 2020 Oct 23. doi: 10.1007/s00264-020-04850-0. Online ahead of print. PMID: 33094403
- 4) Naik, P., Ganjwala, D., Bhatt, C. et al. Usefulness of the Sauvegrain Method of Bone Age Assessment in Indian Children. JOIO (2020). <https://doi.org/10.1007/s43465-020-00189-1>

P N Gupta

- 1) Gupta P, Gupta V, Patil B, Verma V. Angular deformities of lower limb in children: Correction for whom, when and how? Journal of Clinical Orthopaedics and Trauma 11 (2020) 196 – 201
DOI:<https://doi.org/10.1016/j.jcot.2020.01.008>
- 2) Ahuja V, Nyima T, Verma P, Gupta P. Use of the GlideScope® for enhanced airway challenges in Treacher Collins syndrome. Indian J Anaesth 2020;64:161-163

- 3) Vashisht, Saurabh, Aggarwal, Purnima, Bhagat, Ranjeev, Garg, Ankita, Gupta, PN, Garg, Sudhir Kumar. Dysplasia Epiphysealis Hemimelica (Trevor Disease) of the Patella, JBJS Case Connector: July-September 2020 - Volume 10 - Issue 3 - p e20.00003 doi: 10.2106/JBJS.CC.20.00003

Sameer Desai

Gundawar, C.S., Desai, S.S., Borkar, S.S. et al. Prospective Study of Gross Motor Milestones in Children with Severe Idiopathic Clubfoot Treated by Ponseti Method. JOIO (2020). <https://doi.org/10.1007/s43465-020-00214-3>

Sakti Das

Outcome of Centralization and Ulnarization of the Carpus with Ulnar Shortening Osteotomy on Functioning in Children with Radial Club Hand Sakti Prasad Das & G. Shankar Ganesh Indian Journal of Orthopaedics volume 54, pages87–96(2020)

Sandeep Patwardhan

1: Patwardhan S, Sodhai V, Sancheti P, Shyam A. Extra-articular Tenodesis Using Autogenous Iliotibial Band for Symptomatic Congenital Absence of Anterior Cruciate Ligament: A Report of 2 Cases. JBJS Case Connect. 2020 Apr- Jun;10(2):e0240. doi: 10.2106/JBJS.CC.19.00240. PMID: 32649100.

2: Sodhai VM, Patwardhan SA, Alao SO, Shyam AK, Haphiz A. Arm Board Technique for Closed Reduction Percutaneous Pinning of Displaced Supracondylar Fractures of Humerus in Children: Technical Note. J Orthop Case Rep. 2020;9(6):98-101. doi: 10.13107/jocr.2019.v09.i06.1608. PMID: 32548040; PMCID: PMC7276605.

3: Patwardhan S, Sodhai V, Gugale S, Sancheti P, Shyam A. Surgical correction of Sprengel's deformity by modified Woodward procedure: outcomes in twenty eight patients. Int Orthop. 2020 Jun;44(6):1143-1151. doi: 10.1007/s00264-020-04560-7. Epub 2020 Apr 17. PMID: 32303793.

4: Sanghavi S, Patwardhan S, Shyam A, Nagda T, Naik P. Nonunion in Pediatric Femoral Neck Fractures. J Bone Joint Surg Am. 2020 Jun 3;102(11):1000-1010. doi: 10.2106/JBJS.19.01117. PMID: 32265357.

5. VM Sodhai, SA Patwardhan, A Kumar, PK Sancheti, AK Shyam Quantification of differences in lower-limb appearance between idiopathic clubfeet treated by ponseti casting method versus normal feet in young children. International Journal of Orthopaedics 6 (2), 501-504



Shobhit Gupta

- 1) Gupta S, Agarwal A. Current Concepts in The Management of Septic Hip Sequelae in Children. International Journal of Paediatric Orthopaedics. May-August 2020; 6(2): 39-47.
- 2) Agarwal A, Gupta S, Rastogi P. Hallux length and deep medial crease in complex clubfeet: Do they recover? J Clin Orthop Trauma. 2020 May-Jun;11(3):453-456. doi: 10.1016/j.jcot.2020.03.004. Epub 2020 Mar 11. PMID: 32405208; PMCID: PMC7211816.
- 3) Agarwal A, Raj RY, Gupta S, Shanker M. Osteosynthesis of Postosteomyelitic Forearm Defects in Children Using a Modified Bone Grafting Technique: The Fibular Intramedullary Bridging Bone and Additional Grafting (FIBBAG). J Hand Surg Asian Pac Vol. 2020 Mar;25(1):13-19. doi: 10.1142/S2424835520500010. PMID: 32000603.

Sukalyan De

- 1) Dey S, Gogoi P, Gogoi R, Ahmed T, Patel R, Phukan D | Teratologic Hip Dislocations : Controversies and Consensus | International Journal of Paediatric Orthopaedics | May-August 2020; 6(2): 33-38.
- 2) Singh V, Dey S, Parikh SN. Missed Diagnosis and Acute Management of Radial Head Dislocation With Plastic Deformation of Ulna in Children. Journal of Pediatric Orthopaedics. 2020 Apr 3;40(4):e293-9.



POSITIVE

**Paediatric Orthopaedic Society of India
wishes you a very Happy Diwali
and a Prosperous New-year**



Dhiren Ganjwala
President



Sandeep Patwardha
Secretary



Ramani Narsimhan
IPP



Alaric Aroojis
Vice President



Hitesh Shah
Treasurer



Jayanth Sampat
Editor



Taral Nagda
Web Master



Manoj Padman
EC North



Viraj Shingade
EC West



Bibhu Datta Sahoo
EC East



K Venkatdass
EC South



www.posi.in



POSITIVE



WWW.POSI.IN

Editor: Sandeep Patwardhan

Layout and Design: Taral Nagda

Paediatric Orthopaedic Society of India

secretary.posi.in@gmail.com