



# Indian Society of Paediatric Radiology

(Founded in 2003)  
[www.ispronline.in](http://www.ispronline.in)

## **ISPR Office Bearers**

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Dr. Manisha Jana

Dr. Kushal Babu Gehlot

Dr. Mahaveer Goyal

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# DECEMBER 2023

## ISPR NEWSLETTER

**Year: 14**

**Issue: 2**

**Continuous issue no. : 22**

**WEBSITE: [www.ispronline.in](http://www.ispronline.in)**



*Happy  
New Year*

2024





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## Editor's Desk

*We are delighted to present the year-end edition of the ISPR Newsletter.*

*The past few months have been eventful for ISPR, with multiple academic activities being held in various regions of the country.*

*The 21st Annual Conference of ISPR was conducted successfully at Pune in September 2023. It was wonderful to meet and interact with ISPR members from across the country.*

*ISPR is committed to providing high quality educational content. The ISPR website features 'Case of the Month' and the ISPR handle on X shares interesting cases. Each edition of the Newsletter includes a quiz for postgraduates. These initiatives are aimed at providing valuable learning opportunities for postgraduates and residents.*

*As the year draws to close, we extend our warmest wishes to all ISPR members for a happy and prosperous 2024 !*

**Dr. C.V. Kanimozhi**

*Editor ISPR Newsletter*

*Joint Secretary ISPR*

*HOD, Dept. of Paediatric Radiology*

*Kanchi Kamakoti CHILDS Trust Hospital, Chennai*



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## Upcoming Events



**Link for online registration:**

**<https://www.spr.org/events/spr2024cai>**

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## Upcoming Events

# SPR 2024

## ANNUAL MEETING

APRIL 13 - 15 | INTERCONTINENTAL MIAMI | MIAMI, FLORIDA



**NEW  
FORMAT!**

## POSTGRADUATE COURSE

APRIL 25 - 26 | LIVE ONLINE

For further details visit

<https://www.spr.org/events/spr2024a>



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## Upcoming Events

58<sup>th</sup>  
annual meeting

44<sup>th</sup>  
post-graduate  
course

ESPR  
2024  
SEVILLE  
June 3<sup>rd</sup> - 7<sup>th</sup>  
HOTEL MELIÁ SEVILLA  
Seville (Spain)

ESPR  
European Society of  
Paediatric Radiology

ESPR 2024 - SEVILLE

SAVE THE DATE

For more information visit [www.espr2024.org](http://www.espr2024.org)

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## Upcoming Events



Register at: [www.ispr2024lko.in](http://www.ispr2024lko.in)



### INDIAN SOCIETY OF PAEDIATRIC RADIOLOGY (ISPR)

WELCOME TO LUCKNOW

## 22<sup>ND</sup> ANNUAL NATIONAL CONFERENCE

# ISPR 2024

Conference: 21<sup>st</sup>-22<sup>nd</sup> September 2024

In Collaboration with Department of Radio-Diagnosis King George's Medical University, Lucknow

Venue -Atal Bihari Vajpayee Scientific Convention Centre, Lucknow

Pre-conference Workshop: 20 September 2024

Theme "Insightful Radiology"

**Organizing chairperson**  
Prof Neera Kohli

**Organizing secretary**  
Prof Anit Parihar

**Treasurer**  
Dr Saurabh Kumar

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For more information contact [ispr2024lko@gmail.com](mailto:ispr2024lko@gmail.com)

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## **QUIZ**

1-year-old boy brought with complaints of short stature. Which of the following is the diagnosis on this pelvic radiograph? What is the expected gene mutation in this child?

- A. Thanatophoric dysplasia, FGFR3 mutation.
- B. Hypochondroplasia, SLC26A2 gene mutation.
- C. Achondroplasia, FGFR3 mutation.
- D. Pseudoachondroplasia, COMP mutation.



**Quiz answer on page 28**

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## **ISPR Outreach Program** **Thoothukudi, Tamil Nadu**

The ISPR Outreach Program was held at Thoothukudi, Tamil Nadu on 06, August, 2023. The event was organised by the Department of Radiodiagnosis, Thoothukudi Medical College with Dr. Flora Juanita as the Organising Chairperson and Dr. Jeyalakshmi as the Organising Secretary.

The Outreach program was attended by general radiologists from nearby Tier 2 and Tier 3 towns. Local radiology residents, CRRI and pre-final MBBS students also attended the program, with a total of around 90 delegates. The event concluded with a radiology quiz which saw the active participation of residents.



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## ISPR Outreach Program Thoothukudi, Tamil Nadu



### Inauguration Ceremony





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## ISPR Annual Conference 2023 Pune

The 21st Annual conference of ISPR was held on the 9th and 10th of September 2023 in Pune, with Dr. Priscilla Joshi as Organising Chairperson and Dr. John D'Souza as Co-organising Chairperson. The conference was a great success and was appreciated by all delegates not only for the excellent scientific content, but also for the impressive venue and the delectable Marathi food.

The pre-conference workshops were held on 8th of September at Bharati Vidyapeeth Hospital.

The ISPR Orations were conducted on the 9th of September. Dr. Manisha Jana delivered the Prof. MVK Shetty Endowment Oration on 'MR Virtual Autopsy – The need and the way'. The Prof. Arcot Gajaraj Endowment Oration was delivered by Dr. Govind Chavhan on 'Paediatric Radiology of the Future'.

The Inauguration ceremony was held on the 9th of September at 5 pm with Surgeon Vice Admiral Arti Sarin, Director General of Medical Services (Navy), as the chief guest. She delivered an inspiring talk on the future of radiology.

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## ISPR 2023 Pune Inauguration Ceremony



Lamp lighting  
by the dignitaries

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## ISPR 2023 Pune



Dr. Akshay Saxena  
delivering the  
Presidential Address



Dr. Sridhar Gibikote  
delivering the  
Secretary's Report

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## ISPR 2023 Orations



Dr. Govind Chavhan  
Prof. Arcot Gajaraj Oration

Dr. Manisha Jana  
Prof. MVK Shetty Oration



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## ISPR GBM 9th September 2023, Pune





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## ISPR Members Participation in Teaching Programmes

ISPR members were actively involved as teaching faculty in the ICRI Paediatric Imaging sessions for postgraduates.

### JULY 2023

28.06.2023	Paediatric Chest X-ray: Case based discussion	Dr. Kanimozhi C.V. Chennai
05.07.2023	Inner Ear Malformations	Dr. Jyoti Kumar New Delhi
05.07.2023	Congenital Neck Masses: Case based review	Dr. Gopinathan K Chennai
12.07.2023	ALARA concept: Radiation Concern in Paediatric CT	Dr. Kushal Gehlot Udaipur
12.07.2023	Imaging in Paediatric Lymphoma: Head to Toe	Dr. Vasundhara Patil Mumbai
19.07.2023	Step by step approach to normal myelination	Dr. Anit Parihar Lucknow
19.07.2023	Emergency Paediatric Imaging	Dr. Dhananjaya KVN Bengaluru
26.07.2023	Paediatric Head Trauma - Pearls and Pitfalls	Dr. Tauna Yadav Jodhpur
26.07.2023	Paediatric Liver Tumours	Dr. Ramesh A Pondicherry



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## Congratulations

**Dr. Kushaljit S. Sodhi**, Vice President ISPR was invited as faculty speaker at the following conferences:

1. Invited speaker at the 21st Annual Scientific Meeting of **AOSPR**, held from 2–3 September 2023 at the Hong Kong Academy of Medicine, Hongkong, where he delivered a talk on 'Practical MR of the paediatric chest'.
2. Invited speaker at the 19th Congress of World Federation for Ultrasound in Medicine and Biology (**WFUMB**) Congress in conjunction with the OSUM Annual Convention, held from Nov 04 - 07, 2023 at Muscat, Oman, where he delivered talks on 'Imaging of congenital abnormalities and Neonatal hydronephrosis'. He also conducted workshops on 'Head Ultrasound' and 'Ultrasound of Paediatric Hip'.
3. Invited as a Professor of Instituto Nacional de Salud del Niño San Borja (INSN SB) **INSNSB Pediatric Thoracic Imaging International Course** at Lima, Peru, held on November 16-17, 2023.

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## Congratulations

### AOSPR 2023



### WFUMB 2023





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## Congratulations

**Dr. Poonam Sherwani**, Associate Professor, Department of Radiodiagnosis & Imaging, AIIMS Rishikesh was invited as faculty speaker at the below meetings:-

1. Invited as guest faculty in Shakti Summit and delivered a talk on 'How to approach Paediatric Abdominal masses' organised by IRIA from 6th - 8th October.

2. Participated in PG teaching program conducted by the National Board of Examination (NBE) and took a lecture on pleural, pulmonary, and chest wall masses on 27th July 2023.



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Under the guidance of **Dr. N.L.N. Moorthy**, Professor & HOD, Department of Radiodiagnosis, Apollo Institute of Medical Sciences and Research, Hyderabad, the following posters and papers were presented at AOSPR 2023, Hong Kong.

### PAPERS PRESENTED

1.MDCT in Evaluation of Complex Congenital Heart Diseases.

Author:Dr Pratyusha Rudarraju

Co-authors: Dr Chesnal Dey Arepalli, Dr Vijay Bhaskar Noori, Dr NLN Moorthy.

2.Role of MRI in evaluation of Paediatric Hypoxic Ischaemic Encephalopathy

Author: Dr G Ramesh Goud

Co-authors: Dr Anuroop Jakkani, Dr NLN Moorthy.

3.Role of MRI in Paediatric Epilepsy.

Author: Dr G Ramesh Goud

Co-authors: Dr Srija Kashetty, Dr NLN Moorthy.

### POSTERS PRESENTED

1.An unusual case of Crossed Testicular Ectopia.

Author: Dr Krithika Sahasra

Co-authors: Dr Meraj MD, Dr NLN Moorthy.

2.Role of MDCT in spectrum of congenital thoracic vascular anomalies.

Author: Dr Pratyusha Rudarraju

Co-authors: Dr Chesnal Dey Arepalli, Dr Vijay Bhaskar Noori, Dr NLN Moorthy.

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Continuous issue no.: 22

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## AWARD

**Dr. Taruna Yadav**, Additional Professor, Dept. of Diagnostic and Interventional Radiology, AIIMS Jodhpur, has received the 2023 ASPNR CARES Scholarship.

### 2023 ASPNR CARES Scholarship Recipients

Adarsh Anil Kumar - India	B M Krishna Vadana - India
Ashok Chapagain - Nepal	Marvin Baltodano - Nicaragua
Catalina Villarreal - Ecuador	Maulik Vora - India
Diksha Goyal - India	Mohammed Asif - India
Ghulam Mujtaba - Pakistan	Pradeep Raj Regmi - Nepal
Harveen Kaur Arora - India	Rosmi Hassan Karuvat - India
Elsayed Amro - Egypt, Arab Republic	Sharath Potla - India
Etsehiwot Debele - Ethiopia	Shoba Rani B - India
Gita Maria Tanurahardja - Indonesia	Taruna Yadav - India
Gokalp Cikman - Turkey	Ullas V A - India
Khairy Abdella - Egypt, Arab Republic	Víctor González - Dominican Republic
Kim Ivan Ramos Mendoza - Philippines	Wan Irfan W Mustapha - Malaysia

*Congratulation!*



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## Publications by ISPR members

**Dr. Kushaljit S. Sodhi**, Vice President ISPR, has published the following original research articles.

1. Sodhi KS, Kritsaneepaiboon S, Jana M, Bhatia A. Ultrasound and magnetic resonance imaging in thoracic tuberculosis in the pediatric population: moving beyond conventional radiology. *Pediatr Radiol*. 2023 Nov;53(12):2552-2567. doi: 10.1007/s00247-023-05787-3. Epub 2023 Oct 21. PMID: 37864712.
2. Sodhi KS, Tao TY, Seymore N. ChatGPT: Chasing the Storm in Radiology Training and Education. *Indian J Radiol Imaging*. 2023 Oct 5;33(4):431-435. doi: 10.1055/s-0043-1774743. PMID: 37811181; PMCID: PMC10556337.
3. Bhatia A, Jana M, Chaluvashetty SB, Saxena AK, Sodhi KS. Radiological Imaging in Chest Diseases: Moving Away from Conventional Modes. *Indian J Pediatr*. 2023 Aug;90(8):798-805. doi: 10.1007/s12098-023-04615-8. Epub 2023 Jun 5. PMID:37273132
4. Mahomed N, Kilborn T, Smit EJ, Chu WCW, Young CYM, Koranteng N, Kasznia-BrownJ, Winant AJ, Lee EY, Sodhi KS. Tuberculosis revisited: classic imaging findings in childhood. *Pediatr Radiol*. 2023 Aug;53(9):1799-1828. doi: 10.1007/s00247-023-05648-z. Epub 2023 May 23. PMID: 37217783; PMCID:PMC10421797.

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## Publications by ISPR members

5. Concepcion NDP, Laya BF, Andronikou S, Abdul Manaf Z, Atienza MIM, Sodhi KS. Imaging recommendations and algorithms for pediatric tuberculosis: part1-thoracic tuberculosis. *Pediatr Radiol*. 2023 Aug;53(9):1773-1781. doi:10.1007/s00247-023-05654-1. Epub 2023 Apr 21. PMID: 37081179; PMCID:PMC10119015.

6. Laya BF, Concepcion NDP, Andronikou S, Abdul Manaf Z, Atienza MIM, Sodhi KS. Imaging recommendations and algorithms for pediatric tuberculosis: part 2-extrathoracic tuberculosis. *Pediatr Radiol*. 2023 Aug;53(9):1782-1798. doi:10.1007/s00247-023-05650-5. Epub 2023 Apr 19. PMID: 37074457.

7. Sodhi KS, Bhatia A, Rana P, Mathew JL. Impact of Radial Percentage K-Space Filling and Signal Averaging on Native Lung MRI Image Quality in 3D Radial UTE Acquisition: A Pilot Study. *Acad Radiol*. 2023 Nov;30(11):2557-2565. doi: 10.1016/j.acra.2023.01.029. Epub 2023 Mar 16. PMID: 36931950.

8. Sodhi KS, Maralakunte M, Bhatia A, Lal SB, Saxena AK. Utility of the New Faster Compressed SENSE MRCP at 3 Tesla MRI in Children with Pancreatitis. *Indian J Pediatr*. 2023 Dec;90(12):1210-1215. doi: 10.1007/s12098-022-04403-w. Epub 2023 Jan 24. PMID: 36692816.

9. Bhatia A, Dua A, Mehta V, Chhabra M, Sodhi KS, Saxena AK. 2D Shear wave elastography for evaluation of renal cortex and medulla: stiffness values in healthy children. *Abdom Radiol (NY)*. 2023 Oct;48(10):3183-3188. doi:10.1007/s00261-023-04001-0. Epub 2023 Jul 12. PMID: 37436450



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## Publications by ISPR members

**Dr. Poonam Sherwani**, Associate Professor, Department of Radiodiagnosis & Imaging, AIIMS Rishikesh, has published the following original research article.

1. Panda PK, Elwadhi A, Gupta D, Tomar A, Sherwani P, Sharawat IK. Development and validation of a predictive model assessing the risk of seizure recurrence in children with neurocysticercosis. *Epilepsy Research*. 2023 Nov 1;197:107239.



**Dr. (Lt Col) Bharat Hosur**, Dept of Radiodiagnosis & Interventional Radiology, Armed Forces Medical College, has published the following book chapter.

Narendra Kumar Jain, Bharat Hosur, BA Muthanna, Rajesh U. Spinal Cord Lesions in Children. In: *Comprehensive Textbook of Clinical Radiology*. Elsevier Inc; 2023. page 477–96.

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## Monthly Quiz on ISPR website

In order to encourage and engage postgraduates, the ISPR website now features '**Case of the Month**'. This will run as a case contest. Postgraduates can send in their answers using the link on the webpage **<http://ispronline.in/index.php?p=quiz&pi=9>**.

At the end of the year the student with the maximum number of correct answers will receive a prize and a certificate.

This new educational initiative is being supervised by Dr. Taruna Yadav. ISPR members interested in submitting a case can contact her at [drtanu.taruna@gmail.com](mailto:drtanu.taruna@gmail.com).

**ISPR is also active on X** @indian\_spr. Members can share interesting cases on this handle.



The banner features the ISPR logo on the left, a navigation bar with 'NEWS' highlighted, and a 'Quiz November 2023' section on the right. Below the quiz section, there is a list of authors and their affiliations. On the far right, there is a 'image gently' logo with a butterfly illustration.

**Quiz November 2023**

**ISPR case of the month**

Authors - Anil Sharma<sup>1</sup>, Sarbesh Tiwari<sup>2</sup>, Taruna Yadav<sup>3</sup>

1- Fellow Paediatric Radiology  
2- Associate professor  
3- Additional professor  
Department of Diagnostic and Interventional Radiology



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## **ISPR Travel Grant**

The Society has a travel grant of Rs.75,000 per year, for any member attending a paediatric radiology conference. The eligibility guidelines and application procedure are detailed on the ISPR website.

**For more information** members can contact the General Secretary at [isprgensec@gmail.com](mailto:isprgensec@gmail.com)

# Indian Society of Paediatric Radiology

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## QUIZ Answer

**Answer** : Option C  
Achondroplasia, FGFR3 mutation

**Case contributed by** : Dr. Anil Sharma (Fellow in Paediatric radiology)  
Dr. Taruna Yadav (Additional Professor)  
Dept of Diagnostic and Interventional Radiology, AIIMS Jodhpur

	Radiographic findings		
	Pelvis	Spine	Extremities
<b>Thanatophoric dysplasia</b>  <u>Gene mutation-</u> FGFR3 mutation	Short and small iliac bones with horizontal acetabular roofs with medial and lateral spikes, small sacroiliac notches	Severe platyspondyly, H- shaped vertebrae, wide disc space, interpedicular narrowing	Bowed 'telephone receiver-like' femurs with proximal oval translucencies and flared distal ends, irregularity and flaring of metaphysis
<b>Achondroplasia</b>  <u>Gene mutation-</u> FGFR3 mutation	Squared, flat pelvic bones with flat iliac wings, small sacroiliac notches, horizontal acetabulum	Progressive craniocaudal interpedicular narrowing with narrow lumbar spine canal	Short femurs, oval lucent appearance of proximal femurs, V-shaped metaphysis with 'Ball in Socket' epiphysis - Chevron deformity

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## QUIZ Answer

	Radiographic findings		
	Pelvis	Spine	Extremities
<b>Hypochondroplasia</b>  <u>Gene mutation-FGFR3</u> mutation	Similar to achondroplasia but with milder features		
<b>Pseudoachondroplasia</b>  <u>Gene mutation-COMP</u> mutation	Sloping acetabular with marginal spikes. Large ilium, short pubis and ischium. Small, irregular femoral head epiphysis (early childhood), widened and delayed development of tri-radiate cartilage, broad femoral neck, coxa vara	Kyphoscoliosis, lumbar lordosis, biconvex vertebrae moderate platyspondyly, anterior tongue like protrusion of central portion of the vertebral bodies, irregular end plates of vertebrae, short pedicles	Short tubular bones, widened, markedly irregular metaphysis. Fragmented, irregular, hypoplastic epiphysis

References – Abnormal Skeletal Phenotypes - From Simple Signs to Complex Diagnoses  
Alessandro Castriota-Scanderbeg , Bruno Dallapiccola, First edition, 2005.



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## Indian Society of Paediatric Radiology

Founded December 2003 Pondicherry

### Membership Form

#### **A. Member Details**

Full Name (Block Letter)

: .....

Medical Registration no

: .....State.....

Institution

: .....

Mailing Address (Office)

.....

.....

.....Pin .....

Phone No. ....

Fax No. ....

Email ID. ....

Mobile .....



Mailing Address (Residence)

.....

.....

Pin ..... Phone No. ....

Mobile ..... Date of Birth .....

Email ID .....

Qualifications

I) .....Year.....

II) .....Year .....

III) .....Year .....

All correspondence to be addressed to : ☐ Office ☐ Residence



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### B. Method of Payment

For Membership Amount

Mode of payment : Cheque/DD

In Favour of

Indian Society of Paediatric Radiology

Online Payments may be made to -  
INDIAN SOCIETY OF PAEDIATRIC RADIOLOGY  
Bank Of Baroda  
S/B A/C no - 05280100026047  
IFSC - BARB0MOUNTR  
(please attach payment proof along with the  
application)

:

Cheque/DD No. & Date,.....

(Name of the Bank)

(DD No. & Date)

(Place of issue)

### C. Associate Member

Name of the Member

Name of Speciality

### D. Declaration :

I have studied (Name of the course) .....

Of..... during (Academic Year) .....

I am eager to join the Indian Society of Paediatric Radiology.

Place:

Date:

(Signature)

	Admission fees	Total
As life Member	Rs. 4000/- + 500/- + (Plus 18% GST) =	5310/-
Associate Member	Rs. 2500/- + 500/- + (Plus 18% GST) =	3540/-

(Radiologist)

Surgeon, Physician, Paediatrician &  
Other Imaging Specialists)

(Allied Health Professionals

Interested in Paediatrics)

Please send your application + Cheque/DD + MD/DNB & Registration certificate to :

Dr. Sridhar Gibikote (gibikote@gmail.com)  
Secretary I S P R  
Department of Radiology  
CMC Hospital, Vellore 632004, India  
Website - www.ispronline.in

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Membership No ..... Receipt issued / Not issued

No. ....