

INPHOG Newsletter

2022, Vol 8, Issue 1

Dear friends

Following the incorporation of INPHOG RESEARCH FOUNDATION (in short INPHOG) with Section 8 licence under the Companies Act on 22nd December 2021, the year 2022 has seen a lot of developments and 2023 promises to be the same. Through all this, the great work being done by investigators across India continues and we now have recruited 13,182 children in 24 INPHOG studies.

Following are the most salient developments over the last 12 months

- ⇒ INPHOG now has 28 member institutions
- ⇒ The new Board of Directors is taking shape and will be announced soon
- ⇒ We are fortunate to have as our advisors Kathy Pritchard-Jones, CS Pramesh, Carlos Rodriguez-Galindo, Nachiket Mor, and Nihal Kaviratne
- ⇒ We have a brand new website www.inphog.org
- ⇒ And a brand new logo
- ⇒ We have entered into our first partnership (with Cankids)

At the upcoming PHOCON in New Delhi, there are five oral presentations on the 19th of Nov 2022 from INPHOG as below

- Involvement of palliative healthcare providers is associated with significant reduction in high intensity end-of-life care in children with poor prognostic cancer – Interim results of InPOG-PALL-18-01 - Gayatri Palat
- Diagnosis Interval Is The Largest Contributor To Time To Diagnosis And Treatment For Childhood Cancer Patients In India – Results Of The InPOG-ACC-16-02 Study - Jyotsna Sharma
- Multi-Center, Phase 3, Randomized Controlled Trial, Comparing Daunorubicin And Arac (DA) Versus Arac, Daunorubicin, And Etoposide (ADE) Induction Chemotherapy In Pediatric Acute Myeloid Leukemia (InPOG-AML-06-01) - Venkatraman Radhakrishnan
- Factors impacting the “Time to Diagnosis” in a cohort of newly diagnosed patients with retinoblastoma: Early interim analysis from INPOG-RB-19-01 - Amita Mahajan
- Treatment Exposures In The Cohort Of Survivors On The Indian Childhood Cancer Survivorship Study (C2S Study). InPOG-LE-16-01 - Rachna Seth

In addition there is also one poster presentation

- Real World Experience Of Fertility Preservation In Adolescents With Hodgkin Lymphoma In India – Dilpreet Kaur Banwait

For those interested in offering suggestions, please write to admin@inphog.org

Warm wishes
INPHOG

Study Summary Portfolio (Total 30)

| Subcommittee | Provisional Registration (3) | Full Registration (3) | Recruitment Ongoing (14) | Recruitment Complete (10) |
|---------------------|------------------------------|-----------------------|--------------------------------------|---|
| ALL | | | InPOG-ALL-15-01 InPOG-ALL-19-02 | |
| AML | | | | InPOG-AML-16-01 |
| Ch Myelop Dis | | | | InPOG-CML-16-01 |
| HL | | | InPOG-HL-17-02 InPOG-HL-19-03 | InPOG-HL-15-01 |
| NHL | | | | InPOG-NHL-16-01 |
| Histiocytosis | | | InPOG-HIST-19-03 | InPOG-HIST-17-01 |
| CNS | | | | |
| Neuroblastoma | | InPOG-NB-18-02 | InPOG-NB-18-01 | |
| Retinoblastoma | | | InPOG-RB-17-01 | |
| Renal | | | InPOG-WT-18-02 | |
| Liver | | | | |
| Osteosarcoma | | | | |
| PNET | | | InPOG-PNET-19-02 | InPOG-PNET-16-01 |
| Soft Tissue Sarcoma | | | | |
| Germ Cell Tumours | INPHOG-GCT-22-01 | | | |
| Rare, Epithelial | | | InPOG-RARE-17-02 InPOG-RARE-17-01 | |
| HSCT | InPOG-SCT-20-02 | | | |
| | | | | InPOG-ACC-16-01 |
| Access to Care | | | | InPOG-ACC-16-02 InPOG-ACC-16-03 InPOG-ACC-20-04 |
| Supportive Care | | INPHOG-SUPP-22-03 | | |
| Epidemiology | | INPHOG-EPI-22-03 | InPOG-EPI-20-02 | |
| Late Effects | | | InPOG-LE-16-01 | |
| Palliative Care | | | InPOG-PALL-18-01 | |
| Cancer Genetics | | | | |
| Hbpathy/RBC | INPHOG-RBC-22-01 | | | |
| Plat & Coag | | | | |
| BM Failure | | | | |

INPHOG Studies - Recruitment Complete (10)

InPOG-HL-15-01

A collaborative study for newly diagnosed childhood Hodgkin's lymphoma patients in India

| | |
|-------------------------------|----------------------|
| Principal Investigator | Prof Jagdish Chandra |
| Registered with INPHOG | June 2015 |
| CTRI Registration | CTRI/2016/03/010916 |
| Patients recruited | 410 |
| Recruitment Closed | February 2018 |
| Centers study open in | 27 centres |

Publications

- Arora RS, Mahajan A, Dinand V, Kalra M, Jain S, Taluja A, Mandal P, Chandra J. InPOG-HL-15-01 - Challenges and Lessons Learnt in Setting up the First Collaborative Multicentre Prospective Clinical Trial in Childhood Cancer in India. *Pediatric Hematology Oncology J* 2020. Oct 1;5(4):166-70.
- Mahajan A, Singh M, Bakhshi S, Jain S, Seth R, Verma N, Kumar A, Radhakrishnan V, Mandal P, Kapoor G, Arora RS, Dinand V, Kalra M, Sharma A, Phulkar S, Arora A, Chandra J. Treating Early Stage Hodgkin Lymphoma in resource limited settings: InPOG-HL-15-01 Experience. *Pediatric Blood & Cancer*. 2021 Jul 22:e29219.
- Jain S, Bakhshi S, Seth R, Verma N, Singh M, Mahajan A, Radhakrishnan V, Mandal P, Arora RS, Dinand V, Kalra M, Sharma A, Chandra J. Risk based and response adapted radiation therapy for children and adolescents with newly diagnosed advanced Hodgkin lymphoma treated with ABVD chemotherapy: A report from the Indian Pediatric Oncology Group study InPOG-HL-15-01. *Leuk Lymphoma* 2021 Dec 9:1-8
- Mahajan A, Bakhshi S, Singh M, Seth R, Verma N, Jain S, Radhakrishnan V, Mandal P, Arora RS, Dinand V, Kalra M, Kapoor G, Sajid M, Kumar R, Mallick S, Taluja A, Chandra J. Empirical antitubercular treatment for lymphadenopathy: Are we missing lymphoma? *Indian J Pediatr*. 2022 Jun 23. – **NEW**
- Mahajan A, Bakhshi S, Seth R, Verma N, Mandal P, Singh M, Jain S, Radhakrishnan V, Kanvinde S, Arora RS, Dinand V, Kalra M, Taluja A, Mallick S, Kumar R, Chandra J. Hodgkin lymphoma in children under 5 years: Do they behave differently? *J Pediatr Hematol Oncol*. 2022 May 1;44(4):186-190. - **NEW**

InPOG NHL-16-01

A Retrospective Multi-centric Study of Contemporary Epidemiology & Outcome of Childhood B-NHL in India

| | |
|-------------------------------|-----------------|
| Principal Investigator | Dr Amita Trehan |
| Registered with INPHOG | October 2016 |
| CTRI Registration | No |
| Patients recruited | 323 |
| Recruitment Closed | April 2018 |
| Centers study open in | 10 centres |

Publications

- Rahiman EA, Bakhshi S, Deepam Pushpam, Ramamoorthy J, Das A, Ghara N, Kalra M, Kapoor G, Meena JP, Siddaigarhi S, Thulkar S, Sharma MC, Srinivasan R, Trehan A. Outcome and prognostic

factors in childhood B non-Hodgkin lymphoma from India: Report by the Indian Pediatric Oncology Group (InPOG-NHL-16-01 study). *Pediatr Hematol Oncol.* 2022 Jan 3:1-15.

InPOG-ACC-16-01

Multi-site Prospective Study to Determine Household Out-of-Pocket Expenditure Incurred by Families of Children Newly Diagnosed with Cancer in India (HOPE Study)

| | |
|-------------------------------|--------------------------|
| Principal Investigator | Dr Ramandeep Singh Arora |
| Registered with INPHOG | August 2016 |
| CTRI Registration | CTRI/2016/11/007492 |
| Patients recruited | 402 |
| Recruitment Closed | November 2017 |
| Centers study open in | 15 centres |

InPOG-ACC-16-03

Exploring Barriers and Enablers to Accessing Care for Childhood Cancers in India: A Multi-centre Qualitative Study

| | |
|-------------------------------|---------------------------------------|
| Principal Investigator | Dr Ramandeep Singh Arora |
| Registered with INPHOG | May 2017 |
| CTRI Registration | No |
| Patients recruited | 34 patients + 27 healthcare providers |
| Recruitment Closed | January 2018 |
| Centers study open in | 7 centres |

Publications

- Faruqi N, Joshi R, Martiniuk A, Lowe J, Arora R, Anis H, Kalra M, Bakhshi S, Mishra A, Santa A, Sinha S, Siddaiahgari S, Seth R, Bernays S. A health care labyrinth: perspectives of caregivers on the journey to accessing timely cancer diagnosis and treatment for children in India. *BMC Public Health.* 2019 Dec 2;19(1):1613.
- Faruqi N, Bernays S, Martiniuk A, Abimbola S, Arora R, Lowe J, Denburg A, Joshi R, Access to care for childhood cancers in India: perspectives of health care providers and the implications for Universal Health Coverage. *BMC Public Health* 2020 Dec;20(1):1-1.

InPOG-PNET-16-01

Evaluation of clinicopathological characteristics, prognostic factors and treatment outcomes in patients with PNET of Kidney: An InPOG study

| | |
|-------------------------------|-----------------|
| Principal Investigator | Dr Bivas Biswas |
| Registered with INPHOG | June 2016 |
| CTRI Registration | No |
| Patients recruited | 40 |
| Recruitment Closed | August 2018 |
| Centers study open in | 2 centres |

InPOG-CML-16-01

Study of treatment and outcome of chronic myeloid leukemia in children and adolescents in India

| | |
|-------------------------------|--------------------|
| Principal Investigator | Prof Deepak Bansal |
| Registered with INPHOG | Feb 2018 |
| CTRI Registration | No |
| Patients recruited | 171 |
| Recruitment Closed | January 2019 |
| Centers study open in | 9 centres |

InPOG-AML-16-01

Randomized Phase III Study Comparing DA (3+7) Versus ADE as Induction Chemotherapy in children with Acute Myeloid Leukemia

| | |
|-------------------------------|------------------------------|
| Principal Investigator | Dr Venkatraman Radhakrishnan |
| Registered with INPHOG | April 2016 |
| CTRI Registration | CTRI/2014/11/005202 |
| Patients recruited | 150 |
| Recruitment Closed | Nov 2019 |
| Centers study open in | 5 centres |

Publications

- Radhakrishnan V, Bakhshi S, Kayal S, Thampy C, Batra A, Shenoy PK, Kumar H, Rajaraman S, Chaudhary S, Bisht R, Dubashi B, Ganesan TS. Two-drug versus three-drug induction chemotherapy in pediatric acute myeloid leukemia: a randomized controlled trial. Blood Cancer J. 2022 Sep 6;12(9):131. doi: 10.1038/s41408-022-00726-1. Erratum in: Blood Cancer J. 2022 Sep 27;12(9):139. PMID: 36068213; PMCID: PMC9444698. - **NEW**

InPOG-HIST-17-01

Indian Hemophagocytic Lymphohistiocytosis Registry (I-HLH): Establishment of a nationwide prospective web-based registry for patients diagnosed with HLH

| | |
|-------------------------------|-----------------|
| Principal Investigator | Dr Mukesh Desai |
| Registered with INPHOG | July 2017 |
| CTRI Registration | Not done |
| Patients recruited | 20 |
| Recruitment Closed | Feb 2021 |
| Centers study open in | 8 centres |

InPOG-ACC-16-02

Accessing Childhood CancEr Services in INDIA (ACCESS INDIA)

| | |
|-------------------------------|--------------------------|
| Principal Investigator | Dr Ramandeep Singh Arora |
| Registered with INPHOG | Sep 2018 |

| | |
|------------------------------|------------|
| CTRI Registration | Not done |
| Patients recruited | 2850 |
| Recruitment Closed | Feb 2021 |
| Centers study open in | 71 centres |

InPOG-ACC-20-04

The impact of COVID-19 pandemic on care of children with cancer in India

| | |
|-------------------------------|---------------------|
| Principal Investigator | Dr Ramandeep Arora |
| Registered with INPHOG | May 2020 |
| CTRI Registration | CTRI/2020/05/025219 |
| Patients recruited | 1146 |
| Recruitment Closed | Feb 2021 |
| Centers study open in | 30 centres |

Publications

- Sharma J, Mahajan A, Bakhshi S, Patil V, Verma N, Radhakrishnan V, Singh A, Kayal S, Seth R, Pushpam D, Arora RS. The impact of COVID-19 pandemic on access to treatment for children with cancer in India and treating center practices. Cancer. 2022 Feb 1;128(3),579-86.

INPHOG Studies - Recruitment Ongoing (14)

InPOG-ALL-15-01

An Indian Childhood Collaborative Leukemia Group multicentre national standardization study for newly diagnosed acute lymphoblastic leukemia

| | |
|-------------------------------------|---------------------|
| Principal Investigator | Prof Vaskar Saha |
| Registered with INPHOG | July 2015 |
| CTRI Registration | CTRI/2015/12/006434 |
| Recruitment commenced | Oct 2016 |
| Currently patients recruited | 2529 |
| Target patient recruitment | 3056 |
| Centers study open in | 5 centres |

- All India Institute of Medical Sciences, New Delhi
- Cancer Institute, Chennai
- PGIMER, Chandigarh
- Tata Medical Centre, Kolkata
- Tata Medical Centre, Mumbai

Publications

- Das N, Banavali S, Bakhshi S, Trehan A, Radhakrishnan V, Seth R, Arora B, Narula G, Sinha S, Roy P, Gogoi MP, Chatterjee S, Abraham B, Das P, Saha V, Krishnan S. Protocol for ICiCLE-ALL-14 (InPOG-ALL-15-01): a prospective, risk stratified, randomised, multicentre, open label, controlled therapeutic trial for newly diagnosed childhood acute lymphoblastic leukaemia in India. *Trials*. 2022 Jan 31;23(1):102.

InPOG-LE-16-01

The Indian Childhood Cancer Survivorship Study (C2S study): After treatment completion registry of childhood cancers – Phase 1

| | |
|--|--------------------------------------|
| Principal Investigator | Dr Rachna Seth |
| Registered with INPHOG | May 2016 |
| CTRI Registration | Not done |
| Recruitment commenced | June 2016 |
| Currently patients recruited | 2115 |
| Target patient recruitment | At least 500 (desirable 1000) |
| Anticipated duration of recruitment | 5 years (Project extended till 2025) |
| Centers study open in | 17 centres |

- All India Institute of Medical Sciences, New Delhi
- Apollo Hospital, Chennai
- Banaras Hindu University, Varanasi
- Cancer Institute, Chennai
- Indraprastha Apollo Hospital, New Delhi
- Kalawati Children's Hospital, New Delhi
- Kidwai Memorial Institute, Bangalore
- King George's medical University, Lucknow
- Max Super Specialty Hospital, Patparganj, New Delhi
- Max Super Specialty Hospital, Saket, New Delhi
- Rainbow Children's Hospital, Hyderabad
- Rajiv Gandhi Cancer Institute, New Delhi
- Regional Cancer Centre, Thiruvananthipuram
- Safdarjung Hospital, New Delhi - **NEW**
- SION Hospital, Mumbai
- Tata Medical Centre, Kolkata
- Tata Memorial Hospital, Mumbai

InPOG-HL-17-02

Prospective Collaborative Study for Relapsed/Refractory Hodgkin Lymphoma

| | |
|-------------------------------|--------------------|
| Principal Investigator | Dr Amita Mahajan |
| Registered with INPHOG | May 2018 |
| CTRI Registration | Ref/2019/03/024719 |

| | |
|--|------------|
| Recruitment commenced | Yes |
| Currently patients recruited | 44 |
| Target patient recruitment | 115 |
| Anticipated duration of recruitment | 3 years |
| Centers study open in | 13 centres |

- Apollo Hospital, Chennai
- All India Institute of Medical Sciences, New Delhi
- All India Institute of Medical Sciences, Patna
- Cancer Institute, Chennai
- BJ Wadia Hospital, Mumbai
- Indraprastha Apollo Hospital, New Delhi
- Kalawati Children's Hospital, New Delhi
- Mahavir Cancer Sansthan, Patna
- Max Super Specialty Hospital, Saket, New Delhi
- Meenakshi Mission Hospital, Madurai
- MVR Cancer Centre and Research Institute, Calicut
- Rajiv Gandhi Cancer Institute, New Delhi
- Safdarjung Hospital, New Delhi

InPOG-RARE-17-02

Indian Childhood Advanced Nasopharyngeal Carcinoma Study (ICANaPS)

A multicenter, prospective, pilot study on use of platinum-based chemotherapy for pediatric nasopharyngeal carcinoma and exploration of the role of plasma Epstein-Barr virus (EBV)-DNA PCR titers in predicting relapse

| | |
|--|----------------|
| Principal Investigator | Dr Anirban Das |
| Registered with INPHOG | October 2018 |
| CTRI Registration | |
| Recruitment commenced | Yes |
| Currently patients recruited | 2 |
| Target patient recruitment | 50 |
| Anticipated duration of recruitment | 5 years |
| Centers study open in | 1 |

- Tata Medical Centre, Kolkata

InPOG-RARE-17-01

Clinical Course, Pathological Spectrum and Outcomes in Paediatric Rare Tumours in India: A Multicentric Observational Study

| | |
|-------------------------------|---------------------|
| Principal Investigator | Dr Maya Prasad |
| Registered with INPHOG | July 2017 |
| CTRI Registration | CTRI/2019/02/017851 |

| | |
|--|---------|
| Recruitment commenced | Yes |
| Currently patients recruited | 202 |
| Target patient recruitment | 250 |
| Anticipated duration of recruitment | 5 years |
| Centers study open in | 11 |

- All India Institute of Medical Sciences, New Delhi
- Apollo hospital, Chennai
- BJ Wadia Hospital, Mumbai
- Cancer Institute, Chennai
- Indraprastha Apollo Hospital, New Delhi
- Kasturba Medical College, Mangalore
- King George's medical University, Lucknow
- Max Super Specialty Hospital, Saket, New Delhi
- Rainbow Children's Hospital, Hyderabad
- Tata Medical Centre, Kolkata
- Tata Medical Centre, Mumbai

InPOG-ALL-19-02

Registry study for relapsed childhood acute lymphoblastic leukaemia using protocol ALL-R1.

| | |
|--|---------------------|
| Principal Investigator | Vaskar Saha |
| Registered with INPHOG | Jun 2019 |
| CTRI Registration | CTRI/2019/10/021758 |
| Recruitment commenced | Yes |
| Currently patients recruited | 39 |
| Target patient recruitment | 220 |
| Anticipated duration of recruitment | 5 years |
| Centers study open in | 1 |

- Tata Medical Centre, Kolkata

InPOG-HIST-19-03

Prospective Collaborative Study for pulse dexamethasone and lenalidomide in Relapsed / Refractory Langerhans cell histiocytosis (LENDEX-LCH study)

| | |
|-------------------------------------|---------------------|
| Principal Investigator | Dr Ramya Uppuluri |
| Registered with INPHOG | Aug 2019 |
| CTRI Registration | CTRI/2020/07/026937 |
| Recruitment commenced | Yes |
| Currently patients recruited | 8 |
| Target patient recruitment | 50 |

Anticipated duration of recruitment 3 years
Centers study open in 10

- All India Institute of Medical Sciences, New Delhi
- Apollo Hospital, Chennai
- Indraprastha Apollo Hospital, New Delhi
- Kauvery hospital, Trichy
- Post graduate institute of Child health Noida
- Rainbow Children's Hospital, Hyderabad
- Sri Aurobindo Institute of Medical Sciences, Indore
- Sri Ramachandra Institute of Higher Education and Research, Chennai
- Tata Medical Centre, Kolkata
- Tata Memorial Hospital, Mumbai

InPOG-NB-18-01

India Neuroblastoma Registration and Biology Study

Principal Investigator Dr Vikramjit Kanwar
Registered with INPHOG Nov 2018
CTRI Registration CTRI/2020/01/023088
Recruitment commenced Yes
Currently patients recruited 61
Target patient recruitment 360
Anticipated duration of recruitment 1 year
Centers study open in 8

- Apollo Indraprastha Superspecialty Hospital, New Delhi
- Apollo Multispecialty Hospital, Chennai, Tamil Nadu
- Cancer Institute, Chennai
- CIMS Hospital, Ahmedabad. Gujarat
- Homi Bhabha Cancer Hospital, Varanasi
- Indo-American Cancer Hospital Hyderabad, Telangana
- MVR Cancer Centre, Calicut
- BJ Wadia Hospital, Mumbai - **NEW**

InPOG-EPI-20-02

Indian COVID-19 Childhood Cancer Registry

Principal Investigator Dr Revathi Raj
Registered with INPHOG May 2020
CTRI Registration CTRI/2020/05/025221
Recruitment commenced Yes
Currently patients recruited 659

| | |
|--|---------|
| Target patient recruitment | 1000 |
| Anticipated duration of recruitment | 3 years |
| Centers study open in | 37 |

- AIIMS Pediatric Delhi
- American oncology institute, Hyderabad
- Apollo cancer centre, Chennai
- Apollo Hospitals, Navi Mumbai
- Asian Cancer Institute, Mumbai
- Bharati Vidyapeeth
- BJ Wadia, Mumbai
- Cancer Institute, Chennai
- Christian Medical College, Ludhiana
- Christian Medical College, Vellore
- Comprehensive Thalassemia BMT Center, Mumbai
- Cytecare Cancer Hospitals, Bangalore
- Dayanand Medical College, Ludhiana
- Goa Medical College and Hospital, Goa
- Hematology oncology clinic, Ahmedabad
- Holy Spirit hospital, Mumbai
- Indraprastha Apollo Hospitals, New Delhi
- Institute of medical sciences, Varanasi
- Kanchi Kamakoti Childs Trust Hospital, Chennai
- KGMU Lucknow
- Max Hospital Vaishali
- Max Super Specialty Hospital, Saket, New Delhi
- MCGM, Mumbai
- Medanta the Medicity, Gurgaon
- Mothers Care Children Hospital , Imphal
- MVR Cancer Centre, Kozhikode
- Narayana Health City, Bangalore
- Rainbow Children's hospital, Hyderabad
- S.L. Raheja Hospital, Mumbai
- Safdarjung Hospital, New Delhi
- SRCC Narayana, Mumbai
- Sri Aurobindo Institute of Medical Sciences, Indore
- Sri Ramachandra, Chennai
- SSPHPGTI, Noida
- St John's Medical College & Hospital, Bangalore
- Tata Medical Center, Kolkata
- Tata Memorial Hospital, Mumbai

InPOG-WT-18-02

Pattern of care and survival of renal tumors in children in India - Multi center study

| | |
|--|--------------------------------|
| Principal Investigator | Dr Sirisharani Siddaiahgari |
| Registered with INPHOG | Apr 2020 |
| CTRI Registration | CTRI/2021/01/030770 |
| Recruitment commenced | Yes |
| Currently patients recruited | 446 |
| Target patient recruitment | 300-500 |
| Anticipated duration of recruitment | Not applicable - Retrospective |
| Centers study open in | 17 |

- Apollo Hospital, Chennai
- Bharati Vidyapeeth Medical College, Pune
- Cancer Institute, Chennai - **NEW**
- HCG Cancer Centre, Bangalore
- Hemato-Onco clinic, Ahmedabad
- Indo-American Cancer Hospital, Hyderabad - **NEW**
- Indraprastha Apollo Hospital, New Delhi
- Kasturba Medical Collge, Mangalore - **NEW**
- Max Super Specialty Hospital, Saket, New Delhi
- Rainbow Children's hospital, Hyderabad
- Rajiv Gandhi Cancer Institute, New Delhi - **NEW**
- SL Raheja Hospital, Mumbai - **NEW**
- SRCC Children's Hopital, Mumbai - **NEW**
- SRMC Hospital, Chennai - **NEW**
- St John's Medical College and Hospital, Bangalore
- MVR Centre, Kozhikode
- Tata Medical Centre, Kolkata

InPOG-RB-17-01

A Prospective Collaborative Study for Newly Diagnosed patients with Retinoblastoma

| | |
|--|---------------------|
| Principal Investigator | Dr Santosh Honavar |
| Registered with INPHOG | Sep 2019 |
| CTRI Registration | CTRI/2020/09/027846 |
| Recruitment commenced | Yes |
| Currently patients recruited | 797 |
| Target patient recruitment | 630 |
| Anticipated duration of recruitment | 3 years |
| Centers study open in | 20 |

- AIIMS, New Delhi -
- Aravind Hospital, Coimbatore
- BHU, Department of Pediatrics
- Center for sight, Hyderabad
- GMCH Chandigarh
- HV Desai eye Hospital Pune
- Indra Gandhi Institute of Medical Sciences, Patna
- KGMU Lucknow
- LVPI Bhuvneshwar
- MGM Eye Institute, Raipur- **NEW**
- MVR Cancer Center & Research Institute, Calicut
- NH Bangalore
- PGI Chandigarh
- RIO MCK Hospital Kolkata
- Sankara Eye Hospital, Bangalore
- Shroff's Charity Eye Hospital, New Delhi
- SMS Hospital, Jaipur
- SRCC Mumbai
- Sri Sankaradeva Nethrayala Hospital, Guwahati
- Susrut Eye Foundation & Research Centre. Kolkata

InPOG-HL-19-03

Response-Adapted Management of Childhood Classical Hodgkin Lymphoma (cHL) and Early Response Assessment by Positron Emission and Computerized Tomography (PET-CT) to allow Omission of Radiotherapy in Indian Children with Treated with a Standard of Care Intensified Chemotherapy Regimen.

| | |
|--|---------------------|
| Principal Investigator | Dr Gaurav Narula |
| Registered with INPHOG | Feb 2020 |
| CTRI Registration | CTRI/2020/08/027495 |
| Recruitment commenced | Yes |
| Currently patients recruited | 120 |
| Target patient recruitment | 700 |
| Anticipated duration of recruitment | 5 years |
| Centers study open in | 6 |

- Bai Jerabai Wadia Hospital, Mumbai
- Homi Bhabha Cancer Hospital, Varanasi
- Indraprastha Apollo Hospital, Delhi
- Kasturba Medical College, Manipal
- Rajiv Gandhi Cancer Institute & Research center, Delhi
- Tata Memorial Hospital, Mumbai

InPOG-PALL-18-01

Patterns of End-Of-Life Care in Children with Cancer in India – A Multicentre Retrospective Study

| | |
|--|--------------------------------|
| Principal Investigator | Dr Gayatri Palat |
| Registered with INPHOG | Sep 2020 |
| CTRI Registration | CTRI/2020/12/029960 |
| Recruitment commenced | Yes |
| Currently patients recruited | 388 |
| Target patient recruitment | 780 |
| Anticipated duration of recruitment | Not applicable - Retrospective |
| Centers study open in | 17 |

- Acharya Harihar Regional Cancer Research Centre, Cuttack - **NEW**
- Apollo Hospital, Chennai - **NEW**
- B Barooah Cancer Institute, Guwhati - **NEW**
- Bhagwan Mahaveer Cancer Hospital, Jaipur
- BJ Wadia Hospital, Mumbai
- Cancer Institute, Adyar, Chennai
- Cankids Palliative Care Centre, New Delhi - **NEW**
- Indo-American Cancer Hospital, Hyderabad - **NEW**
- Indraprastha Apollo Hospital, New Delhi
- Max Super Speciality Hospital, Saket, New Delhi
- Malabar Cancer Centre, Thalassery
- MNJ Institute of Oncology, Hyderabad
- Pain Relief and Palliative Care Society, Hyderabad
- Safdarjung Hospital, New Delhi - **NEW**
- Sri Ramachandra Medical Centre, Chennai
- SSPHPGTI, Noida - **NEW**
- Tata Medical Centre, Kolkata - **NEW**

InPOG-PNET-19-02

Evaluation of clinic-pathological characteristics, prognostic factors and treatment outcomes in patients with ESFT in children and young adults.

| | |
|--|--------------------------------|
| Principal Investigator | Dr Sandeep Jain |
| Registered with INPHOG | May 2021 |
| CTRI Registration | Applied for |
| Recruitment commenced | Yes |
| Currently patients recruited | 225 |
| Target patient recruitment | 1000 |
| Anticipated duration of recruitment | Not applicable - Retrospective |
| Centers study open in | Yes |

- Indraprastha Apollo Hospital, New Delhi
- Max Super Speciality Hospital, Saket, New Delhi
- Rajiv Gandhi Cancer Institute, New Delhi
- MVR Cancer Centre, Kozhikode - **NEW**
- Tata Memorial Hospital, Mumbai – **NEW**
- KGMU, Lucknow – **NEW**

INPHOG Studies Granted Full Registration (3)

InPOG-NB-18-02

Indian Non-high Risk Neuroblastoma Study

| | |
|-------------------------------------|---------------------|
| Principal Investigator | Dr Vikramjit Kanwar |
| Registered with INPHOG | Sep 2020 |
| CTRI Registration | |
| Recruitment commenced | No |
| Currently patients recruited | NA |
| Target patient recruitment | Not specified |
| Anticipated duration of recruitment | Not specified |
| Centers study open in | No |

INPHOG-SUP-22-03 - **NEW**

Anti-Emetic Prophylaxis for Chemotherapy-Induced Vomiting Without Dexamethasone for Children and Adolescents Receiving Highly Emetogenic Chemotherapy: Investigator-Initiated, Open-Label, Multi-Center, Non-Inferiority, Phase III Randomized Controlled Trial

| | |
|-------------------------------------|------------------------------|
| Principal Investigator | Dr Venkatraman Radhakrishnan |
| Registered with INPHOG | June 2022 |
| CTRI Registration | CTRI/2022/08/045009 |
| Recruitment commenced | No |
| Currently patients recruited | NA |
| Target patient recruitment | 300 |
| Anticipated duration of recruitment | 3 years |
| Centers study open in | No |

INPHOG-EPI-22-03 - **NEW**

Establishing the first dedicated Population-Based Childhood Cancer Registry (PBCCR) And network of Hospital-Based Childhood Cancer Registries (HBCCRs) in India.

| | |
|--|------------------------------|
| Principal Investigator | Dr Venkatraman Radhakrishnan |
| Registered with INPHOG | Sep 2022 |
| CTRI Registration | CTRI/2022/06/043526 |
| Recruitment commenced | No |
| Currently patients recruited | NA |
| Target patient recruitment | 1000 |
| Anticipated duration of recruitment | Continuous |
| Centers study open in | No |

INPHOG Studies Granted Provisional Registration (3)

1. **InPOG-SCT-20-02 (P)** A multicenter collaborative study for evaluating the outcome in children with high-risk neuroblastoma undergoing autologous stem cell transplantation (NBL-ASCT). **PI - Venkateswaran V S**
2. **INPHOG-RBC-22-01 (P)** A Cross-sectional study of children receiving regular red cell transfusions for primary non-malignant hematological conditions excluding thalassemia and sickle cell anemia– Assessment of disease burden and clinical profile. **PI - Stalin Ramprakash - NEW**
3. **INPHOG-GCT-22-01 (P)** An Integrated Clinico-pathological and treatment outcome analysis of extra-cranial malignant germ cell tumors in children and adolescents in India. **PI - Sonali Mohapatra - NEW**