



ASSOCIATION OF RADIATION ONCOLOGISTS OF INDIA

Quarterly Newsletter

December 2018 Vol.14, Issue 4

Message from the office of AROI

Dear Friends...

Wishing you all a very Happy New Year 2019.

New Year, new beginnings and new executive committee of AROI has been constituted which comprises of Dr Rajesh Vashistha as a President, Dr Manoj Gupta, President Elect, Dr Santanu Pal as Senior Vice President, Dr Neeraj Jain as Junior Vice President, Dr G.V.Giri, Dr Shikha Chawla & Dr Kishore Singh will continue as Secretary General, Treasurer & Editor in Chief. Our former executive committee led by Dr. Vijay Anand Reddy as President and his team has put their heart and soul to bring laurels for the association. The unfinished tasks would soon be taken into account and we will leave no stone unturned to accomplish our goals.

Indian College of Radiation Oncology (ICRO) assures that Dr Satyajit Pradhan is the new ICRO Chairman and his team includes Dr DN Sharma Vice Chairman and Dr

Dr.V.Srinivasan as Secretary. Dr S.N.Senapati the outgoing Chairman of ICRO and his team really done a commendable job in raising the standards of teaching programs by selecting the best of the faculty across the country. We are assuring that the same standards and legacy of AROI-ICRO teaching program will be maintained by Dr Satyajit Pradhan and his team.

We thank you all for putting your trust in us and we assure you that together as a team we won't disappoint you any time. We will be seeking guidance from our seniors and experienced members for the betterment of the association. Suggestion and consent of every member will be entertained for improving the standards of the association.

Once again Good Luck and a Prosperous New Year to each member of AROI family.



President AROI
Dr. Rajesh Vashistha



President Elect.
Dr. Manoj Gupta



Secretary General
Dr. G.V. Giri

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For Eligible Faculty Members

Dear Friends...

As per the General Body Meeting in AROICON 2018 at Trivandrum, unanimous decision was taken that in future the faculty will be selected from the registered members for the conference only.

It is requested that the eligible faculty should get themselves registered as early as possible for AROICON 2019 & ICC 2021, so that the scientific committee should consider their names as faculty.



ASSOCIATION OF RADIATION ONCOLOGISTS OF INDIA

CONGRATULATIONS
Dr. Rajesh Vashistha
for
Becoming President of AROI



AROI
WISH YOU
A HAPPY & PROSPEROUS NEW YEAR





From the office of AROI

Office
Bearers
AROJ 2018-20



Wish
you all a
Happy 2019



Name

Designation

Name

Designation

1	Dr. Rajesh Vashistha	President	28	Dr. O P Singh	MP BChhattisgarh President
2	Dr. MANOJ GUPTA	President Elect	29	Dr. Ramesh Arya	MP BChhattisgarh Secretary
3	Dr. SHANTANU PAL	Vice President (sr.)	30	Dr. U Suryanarayana	Gujarat President
4	Dr. HEERAJ JAIRI	Vice President (jr.)	31	Dr. Pooja Handwani Patel	Gujarat Secretary
5	Dr. G V Giri	Secretary General	32	Dr. Shyam Tsering	North East President
6	Dr. K S Suresh KUMAR	Joint Secretary	33	Dr. Vikas Jagtap	North East Secretary
7	Dr. Kaustav Talapatra	Joint Secretary	34	Dr. Rakesh Kapoor	North Zone President
8	Dr. S. D Shamsunder	Joint Secretary	35	Dr. Deepak Abrol	North Zone Secretary
9	Dr. Shikha Chawla	Treasurer	36	Dr. S. H Senapati	Orissa President
10	Dr. Kishore Singh	Editor in Chief	37	Dr. Biswarajan Routoy	Orissa Secretary
11	Dr. SATYAJIT PRADHAN	ICRO Chairman	38	Dr. H S Kumar	Rajasthan President
12	Dr. D. H SHARMA	ICRO Vicechairman	39	Dr. Shankar Lal Jakhhar	Rajasthan Secretary
13	Dr. Srinivasan	ICRO Secretary	40	Dr. Vijay Anand Reddy	Telangana President
14	Dr. Gautam K Sharan	ICRO Joint Secretary	41	Dr. Ashwin M Shah	Telangana Secretary
15	Dr. Pooja Handwani Patel	ICRO Joint Secretary	42	Dr. H Nagarajan	T.H. & Pondicherry President
16	Dr. Kahanu Charan Patro	ICRO Joint Secretary	43	Dr. K S KRISHNAJI Kumar	T.H. & Pondicherry Secretary
17	Dr. Sivashankar Kotne	Andhra Pradesh president	44	Dr. Anu Tiwari	U.P. Chapter President
18	Dr. Ravishankar B	Andhra Pradesh Secretary	45	Dr. Sunil Chauhan	U.P. Chapter Secretary
19	Dr. Jitendra Kumar Singh	Bihar Chapter President	46	Dr. Santanu Pal	West Bengal President
20	Dr. P H Pandit	Bihar Chapter Secretary	47	Dr. Jyotirup Goswami	West Bengal Secretary
21	Dr. Anup Kumar	Jharkhand Chapter Secretary	48	Lt. Col. Dr. Ashok Kumar	Defence representative
22	Dr. Geeta Narayanan	Karnataka President	49	Dr. Lalit M. Aggarwal	Medical Physicist
23	Dr. Vikram Mayra	Karnataka Secretary	50	Dr. S D Sharma	DAE Representative
24	Prof. James Francis	Kerala President	51	Dr. Pankaj Tandon	DAE Representative
25	Prof. Mahadevan R	Kerala Secretary	52	Dr. Vineeta Goel	YDRF
26	Dr. Virendra Vyas	Maharashtra President	53	Dr. Vijay Anand Reddy	Past President
27	Dr. Umesh Mahanishetty	Maharashtra Secretary	54	Dr. Rajesh Vashistha	Past Secretary General



From the office of AROI

AROI - ICRO GBM Minutes 29th Nov 2019 at 40th AROICON

From - Dr. S N Senapati-ICRO Chairman, Dr. Satyajit Pradhan-ICRO secretary

ICRO GENERAL BODY 29TH NOV 2018 TRIVANDRUM

ICRO general body meeting was held at 5.PM in Hotel Uday Samudra under the chairmanship of Chairman ICRO.

1. At first the attendance was taken.
2. Minutes of last ICRO general body was approved and accepted.
3. The academic activity for the year 2018 was presented and discussed. The topics and the benefits to the members were discussed. All the assigned programme was successfully conducted except the Sun Icro programme at Jaipur and Post PG ICRO programme at Cuttack which is going to be held in month of December. The members expressed their satisfaction for the efforts taken by the ICRO body for the success of teaching programme.

AROI ICRO	POST PG ICRO	ICRO RADIOBIOLOGY
COIMBATORE (METAANALYSIS)	APOLLO, HYDERABAD	KOLKATA
SKIMS, SRINAGAR (ICRU)	NAGPUR	BENGALURU
JAIPUR (RADIATION PHYSICS)	MAXHOSPITAL, BHATINDA	INDOR
DEC 2018	AHRCC, CUTTACK (DEC 2018)	RISHIKESH

4. FORTH COMING VENUES FOR ICRO-AROI TEACHING PROGRAMME FOR YEAR 2019 was discussed and finalised among the bidders who had applied. The venues and the contact persons for the different teaching courses are as follows.

Sun ICRO

- A. Dr. Raja Paramjeet singh, Faridkot (Punjab)
- B. Dr. Chandan Dasgupta, RG Kar Hospital, Kolkata (West Bengal)
- C. Dr. Madhup Rastogi, RML, Lucknow (U.P)

Post PG

- A. Dr. Gautam Sharan, Pune, Maharashtra (West Zone)
- B. Dr. Suman Das, Vizag
- C. Dr. Vikas Jagtap, Shillong
- D. Dr. Rakesh Kapoor, PGIMER, Chandigarh

Intas Radiobiology

- A. Dr V Srinivasan, MIOT, Chennai, T.N.
- B. Dr. Neeraj Jain, Amritsar, Punjab
- C. Dr Vandana Jain, Loni, Maharashtra (West Zone)
- D. Dr. S.N. Senapati, AHRCC, Cuttack

5. The different topics for the Sun ICRO teaching programme as well as Post PG teaching programme that

was finalised were as follows.

Sun ICRO

- A. Punjab: G.I. Malignancies
- B. Kolkata : Breast Cancer
- C. Lucknow : Pediatric Malignancies

6. Regarding the post PG teaching programme for the year 2019, it was decided that HEAD AND CANCER was the topic to be discussed at the east, west, north as well as south parts of India.
7. This year one of our founder member and five regular members of ICRO were selected by the governing council for FICRO which was discussed and approved. The FICRO awardee are

- Dr Arun Rnjan Gupta
- Dr Madhup Rastogi
- Dr Bhabana Rai
- Dr V. Srinivasan,
- Dr Goda Jayant Sastri
- Dr M. Ravi kumar

8. NEW ICRO MEMBERS LIST:- 20 new members were enrolled for the ICRO in year 2018. The new members were welcomed to the ICRO which was accepted and approved. The members are

LM 190(LM-721) Dr. Sushmita Pathy LM-191(LM-639) Anu Tiwari, LM-192(LM-896) Dr. Haresh K P, LM-193(LM-1393) Dr. Abhishek Gulia, LM-194(LM-688) Dr. Lalit Mohan Aggarwal, LM-195(LM-407) Dr. Neeraj Rastogi, LM-196(LM-1881) Dr. Praveen, LM-197(LM-646) Dr. Geeta Narayan, LM-198(LM-288) Dr. Maqbool Lone, LM-199(LM-758) Dr. M Ravi Kumar, LM-200(LM-990) Dr. Susovan Banerjee, LM-201(LM-) Dr. Rajesh Thyagrajan, LM-202(LM-938) Dr. Rupali Aggarwal, LM-203(LM-960) Dr. Pardeep Garg, LM-204(LM-1496) Dr. BISWARANJAN ROUTROY, LM-205(LM-1301) Dr. Ashok Kumar, LM-206(LM-899) Dr. Amit Bahl, LM-207(LM-827) Dr. Rajesh Balakrishnan, LM-208 LM-209 Dr. Shenoy Kasargod.

9. The controversy regarding the supports to be provided to the ICRO faculties in AROICON was discussed and the following points were unanimously accepted.

- a) Every faculty has to be registered in the national conference.
- b) Organizing committee will treat ICRO faculty at par with AROI faculty. (i.e Accommodation to be provided)
- c) ICRO faculty in national conference should be preferably selected from AROI faculty pool.

The Meeting ended with vote of thanks to all the members present, the ICRO body, the National executives of AROI and the executive as well as members of local organising committee.



From the office of AROI

AROI GBM Minutes 1st December 2019 at 40th AROICON

**From - Dr. Vijay Anand Reddy-AROI President,
Dr. Rajesh Vashistha-President Elect, & Dr. G V Giri-Secretary General AROI**

1. HOMAGE TO THE DEPARTED

- Dr C.D. Joseph. AROI- LM 24
- Dr Vaneet Gupta AROI - LM 683
- Dr. Abhijit De-AROI LM no. 1055
- Dr Sanmoy Ganguly LM-1061
- Mr. S L Kapoor Trade member –AROI

2. The new AROI members 3005, list was approved in GBM proposed by Dr Srinivasan and seconded by Dr Suresh Kumar.

3. The President informed that the Chart rounds India is running very well and wish to continue for the year 2019. It would be funded and supported by Varian for the year 2019. GB appreciated the initiative and suggested to continue. AROI-ICRO teaching programs for year 2019.

AROI ICRO	Post PG ICRO	ICRO Radiobiology
GGS Medical college, Faridkot - Dr Raja Paramjeet Singh	North Eastern Indira Gandhi Regional Institute of Health And Medical Sciences Shillong – Dr Vikas Jagtap,	MIOT, Chennai- Dr V, Srinivasan,
RMLIMS, Lucknow – Dr Madhup Rastogi,	Inlaks hospital, Pune- Dr Gautam Sharan.	Guru Ram das medical college Amritsar- Dr Neeraj Jain
R G Kar Medical College, Kolkata Dr Chandan Dasgupta,	NRI Hospital, Vizag- Dr Suman Das	Rural Medical College, Loni- Dr Vandana Jain
	PGI, Chandigarh- Dr Rakesh Kapoor	AHRCC, Cuttack – Dr. S.N.Senapati

ESTRO AROI Courses for 2019:

1. BHU, Varanasi – ESTRO AROI advanced technology course.-Dr. U P Sahai
2. AIIMS, Rishikesh – ESTRO AROI Gynec Course.-Dr. Manoj Gupta

ESTRO AROI Courses for 2020

ESTRO AROI advanced technology course- Apollo Glenegles, Kolkata

2. ESTRO AROI GYNEC Course- TMH, Mumbai

BEST OF ASTRO

2019

2020-Indus Cancer Hospital ,Mohali by Dr. Vinod Nimbran under NZ - Approved by GB

5. It was brought to the notice of the house that, Post PG ICRO programs that was previously sponsored by Dr Reddy Labs would no longer be available. From this year DRL would

not be sponsoring. The general body was informed by the Dr. Rajesh Vashistha that they are in talks with Accuray for sponsoring this program.

6. The GBM voted that AROICON 2020 is to be held in New Delhi ,Dr. K T Bhowmik will be organising Chairman & the host institute being Saffarjung Hospital ,New Delhi and under banner of north zone chapter of AROI.

7. Finance report was presented by the general secretary and approved by GBM (Proposed by Dr Srinivasan and seconded by Dr Bhowmik)

FD DETAILS

- AROI ICRO – Rs 21,60,000 (Including this year's added amount of Rs 2, 99,634)
- AROI – Rs 2,43,26,626 (Including this year's added amount of Rs 18, 45,559)

8. Dr Rakesh Kapoor proposed that AROI to become a member of Non Communicable Diseases Federation, the fees for which will be Rs. 10,000/-, lifetime Institutional membership. Accepted by EC and General body. Seconded by Dr Vijay Anand Reddy

9. Dr Kishore Singh submitted that he needs more funding for publishing the Journal. He has asked for increase in funding from 12 Lakhs to 32 Lakhs. The EC felt that it would be difficult to arrange 32 lakhs yearly and asked the editor JCRT to look for avenues to raise money and also to cut down the prints of the publication. Dr Kishore Singh was also asked to give more details of the budget and the editor said he would do.

The proposal to increase the yearly subscription towards the JCRT fees to Rs 25,000 from state chapters was discussed and rejected by the house, to continue with Rs. 15000/year, every chapter is requested to pay their due amount.

10. Dr. Francis also raised a query regarding facilities given to past orators and faculty. He mentioned there is no clarity to this. The EC committee after referring to by-laws came to a conclusion that registration and to and fro travel have to be arranged by the faculty themselves, the organising committee will provide local accommodation and local transport.

The GBM decided to amend the bylaws regarding removing the facilities provided to past orators, and also to clearly mention the facilities to be provided to faculty. It was decided to put up the changes on website for members to review and comment, & based on this the next GBM will ratify the changes. Regards to who constitutes faculty i.e. whether chairpersons, panellists and speakers are considered faculty,



From the office of AROI

AROI GBM Minutes 1st December 2019 at 40th AROICON

From - Dr. Vijay Anand Reddy-AROI President,

Dr. Rajesh Vashistha-President Elect, & Dr. G V Giri-Secretary General AROI

it was decided by the house only the speakers are to be considered as faculty and local transport and accommodation would be provided by the organisers to them in the end it decided to be reviewed by committee.

11. Dr Vijay Anand Reddy proposed the following – Creation of some working Committee groups to have more dedicated members working for the AROI and focus on specific issues and help the Central body.

- Clinical affairs and Quality Control Sub Committee Chairman & Vice Chair
- Educational Sub Committee – Chairman & Vice Chair
- Govt. Relations Council – Chairman & Vice Chair
- Scientific Council – Chairman & Vice Chair
- Financial Committee – Chairman & Vice Chair
- International relations for ASTRO, for ESTRO, for FARO
- Lady Representative

The Executive Committee has agreed for the above committees to be formed and the house has unanimously agreed to re-organise the existing committees to help the central committee in functioning more effectively.

All the above councils will be nominated by President & Secretary of AROI.

Proposed by Dr Vijay Anand Reddy and seconded by Dr Rajesh Vashistha.

Re-designate the immediate past President AROI as Chair AROI. The Chair AROI would perceive the initiatives initiated during his tenure and assist the President, Secretary AROI in their activities. Proposed by Dr Rajesh Vashistha and seconded by Dr Manoj Gupta.

TO BE GIVEN TO CONSTITUTION COMMITTEE

12. It was proposed by Dr Vijay Anand Reddy to increase the fund to be given to AROI central, after all AROICON's to 20 lakhs from the current 12 lakhs. This was accepted by GBM and would come into effect from AROICON 2020 conference.

13. It was decided to have AROI outreach programs with other professional bodies if there is no financial obligation on AROI. Proposed by Dr Vijay Anand Reddy and seconded by Dr Manoj Gupta.

14. It was proposed by Dr Vijay Anand Reddy to allow observer-ship programs in India for international students through AROI. The EC approved and suggested that AROI website have a link to details of institutions, facilities available and fees if any to be paid by the candidate.

15. It was proposed to have one female EC member to be designated as female representative. The GBM decided if there

is no female EC member then the EC will nominate one as female representative.

16. It was decided in the GBM to provide financial assistance to members who are presenting papers in major international conferences (ASTRO, ESTRO, FARO & ABS). It was decided to support 5 members a year in this regard after selection by the scientific committee and the assistance will be Rs 20,000 per member, in total Rs 1 lakh a year. Proposed by Dr Vijay Anand Reddy seconded by Dr Vashistha.

17. The proposals of Dr Suresh Kumar –Kerala AROI Secretary Dr. Suresh Kumar spoke & brought to notice of GBM .

1. Establishment of district cancer centers. 2. Fellowship program in community Oncology, Fellowship in Comprehensive Palliative Care, Fellowship in Cancer Research. GBM has agreed that AROI central body would represent and recommend to the Govt

18. Dr. Vijay Anand Reddy, President AROI explained in detail that it is discussed several times in the past GBMs and a resolution was passed in this regard. Subsequently, The AROI Central body has written to the MCI to change the MD Radiotherapy Nomenclature to MD (Radiation Oncology). It was also communicated to them that it is the AROI General Body resolution.

Dr. Vijay Anand Reddy has requested Dr Suresh Kumar & Dr Sabari not to be apprehensive about this nomenclature and it is good for the years to come. He has also requested them not to create confusion in the Court or at MCI.

DM Courses – DM Courses – Dr Suresh Kumar & Dr Sabari raised Concerns about the Super Specialities Courses in Radiation Oncology. Dr Vijay Anand Reddy has clarified their apprehensions and explained the importance and need to have such courses in our Country in the interest of Radiation oncology community and improve the patient care. He has also made them aware that it was discussed in General Body meeting at Bangalore and the mandate was to go ahead with DM proposals, proposed by Dr. Ramesh Bilimaga, seconded by Dr Kishore Singh.

The proposals were sent to MCI after the General Body meeting at Bangalore. The proposals were positively considered by MCI and the academic Council has formally approved and was sent for fine tuning the Syllabus.

Dr. Reddy has assured that it will be perceived further seriously and it would be done once the new MCI board is formed. But house again divided how to go forward, so a subcommittee to be established & to see the way for go forward.

Stereotactic Radiotherapy for Lung Cancer

Prof. K T Dinshaw Memorial Oration

**During 40th Annual conference of Association of Radiation Oncologists of India (AROICON – 2018)
Trivandrum, Kerala, India from 29th November to 2nd December 2018**



Dr. Ben Slotman
President AROI ESTRO
Netherland



SBRT (or SABR) is a form of high-precision, image-guided radiotherapy, which is used to deliver a very high-dose in just a few (typically 3-5) fractions. In stage I NSCLC, it leads to 2-3 year overall survival rates of around 55% and a local control rate in excess of 90%.

The randomized Chisel Study [Ball et al., WCLC 2017] showed a benefit of SBRT over conventional radiotherapy for both local control and overall survival. SBRT has replaced conventional radiotherapy for early stage NSCLC and is also becoming an alternative for surgery.

We have used risk adapted schemes, where we deliver 54-60 Gy in 3-8 fractions, depending on tumor size and location. This led to 5yr local and regional control rates of around 90% and 5 yr distant control of around 80% [Senthil, Lancet Oncol 2012]. The implementation of SBRT led to an increased use of radiotherapy in the Netherland in elderly stage I NSCLC patients [Palma JCO 2010].

In this presentation, a few important issues were addressed:

1. Almost all patients will develop radiographic changes after SBRT. Differentiation between recurrence and fibrosis can be challenging. A number of high-risk features, including sequential enlargement, enlarging opacity after 12 months, and growth in cranio-caudal direction [Huang et al., Green J 2013].
2. The risk of (fatal) pneumonitis is higher in patients with interstitial lung disease. These patients presenting with honeycombing aspects of the lungs on their pretreatment CT scan require attention by specialized pulmonologists since they have a 15-20% risk of fatal pneumonitis after

SBRT [Chen, WCLC 2016; Bahig, PRO 2016].

3. Central tumors can safely be treated with an adapted fractionation scheme (eg 5-8 fractions), but “ultracentral” tumors where the PTV overlaps with trachea and/or bronchi carry a significant risk of (fatal) toxicity [Hasseltine, PRO 2016; Tekatli, JTO 2016].
4. SBRT can also be used in larger lesions (>5cm); In these patients median survival rates of 2-2,5 years were recorded and the main site of recurrence was distant metastases [Tekatli, JTO 2017].
5. MRI guided radiotherapy with daily adaptation of the plan and MRI-guided breathhold techniques may lead to better PTV coverage and better sparing of surrounding tissue.
6. Non-randomized studies comparing the outcome after SBRT and Surgery typically show a better survival of the SBRT group in the first year, due to lack of operative mortality, and worse survival thereafter due to more comorbidity in the SBRT group [Palma JCO 2010]. Three randomized controlled trials comparing surgery and SBRT were prematurely closed due to poor accrual. The results of two of these studies were combined and showed at least equipoise between the two arms, albeit with only 58 patients [Chang/Senan, Lancet Oncol 2015]. The results of still open studies, including the VALOR and STABLEMATES trial are awaited. Outside of clinical trials, especially in patients with more than standard operative risk, objective patient information and shared decision making with the patients is very important

CONFERENCES

AROICON 2018 Trivandrum : 29th Nov – 2nd Dec 2018

Update from: Dr Frnacis James

The 40th Annual Conference of Association of Radiation Oncologists of India (AROICON2018) was held from 29th Nov-2nd Dec 2018 at GV Raja Convention Centre and Uday Samudra Leisure Beach Hotel & Spa, Kovalam, Trivandrum, India. This year's theme was 'Exploring the Art and Science of Oncology'.

The ICRO CME activity on 29th focused on 'Imaging and Contouring'. The eminent faculty included Dr Priya A ,Dr Jiji V, Dr K C Patro , Dr JG Sastri, Dr S G Laskar, Dr S Chatterjee , Dr Z Thotathil, Dr R Jacob , Dr R Engineer and Dr S J Sastri.

The conference was inaugurated on 30th evening by the Hon'ble Governor of Kerala, Justice (Retd) Sri P Sathasivam. The President, Dr VA Reddy, Secretary-General Dr GV Giri , President -elect Dr R Vashistha, Editor-in-chief, Prof Kishore Singh , ICRO Chairman , Prof SN Senapati, former President Dr G Munuswamy, Organising Committee Chairman, Prof K Ramdas and Organizing Secretary Prof FV James were on the dias.

The conference was attended by 994 delegates. Prof Ben Slotman delivered KA Dinshaw Oration and Prof RK Seam

delivered the BD Gupta Oration. The international speakers included Dr TV Ajithkumar, UK, Prof David Dearnaley, UK, Prof Vincent Gregoire, France, Jona Hattangadi-Gluth, USA ,Prof Peter Hoskin, UK, Prof Robert Huddart, UK, Dr Rojymon Jacob, USA ,Dr Rema Jyothirmayi, UK, Prof John A. Kalapurakal, USA, Prof Minesh P. Mehta, USA, Dr Ruheena Mendes, UK, Dr Aisha Miah, UK ,Dr Najeeb Mohideen, USA, Dr Yoodhvyir Singh Nagar, UK, Dr Kailash Narayan, Australia ,Dr Rachel Nugent, USA , Prof Ajay Sandhu, USA ,Dr Parag Sanghvi, USA ,Dr R Sankaranarayanan, France, Dr Navita Somaiah, UK, Prof John Yarnold, UK and Dr Roy Vergis, UK. More than 60 national faculty were speakers and panelists. The national faculty is not listed due to space constraints. This activity has been awarded 6.5 credit hours by the Travancore-Cochin Medical Council.

The conference had good academic component and had good participation from delegates with over 300 abstracts. The abstracts were published as JCRT supplement which is available online.

Lastly, the cultural programs on 30th Nov and 1st Dec portrayed the local art forms and were enjoyed by most.



CONFERENCES

13th Annual Conference : North – East AROI Itanagar : 26th and 27th October 2018

Update from: Dr Shyam Tsering

The 13th Annual Conference of Association of Radiation Oncologists of India – North East Zonal Chapter was held at Waii International Hotel in Itanagar on 26th and 27th October 2018. The event saw participation by large number of Oncologist from North-Eastern Region as well as from other states of the country. The 2 days conference was inaugurated by Chief Guest Hon'ble Governor of Arunachal Pradesh (Brig.) Dr. B.D Mishra (Retd) in the presence of Dr. A. C Kataki, Director of Dr.B. Borooah Cancer Institute, Guwahati as Guest of Honour and Dr. Moromor Lego, Director of Health Services-cum- Chairman of Cancer Society, Government of Arunachal Pradesh as Special Guest. Souvenir of the 13th Annual Conference of AROI-NE Zonal Chapter was released by our respected guests. On the 1st day, scientific session began with talk on Magnitude of cancer burden and challenges and opportunities faced during treatment of cancer in the region, by Dr. S. Tawsik, Senior pathologist-cum-incharge of PBCR at Tomo Riba Institute of Health and Medical Sciences, Naharlagun and Dr. A.C Kataki, Director of BBCI Guwahati, a renowned oncologist of the region. It was followed by talk on Hepatocellular cancer and role of radiotherapy in its management by Dr. Puja Sahai from Institute of Liver and Biliary Sciences, Delhi and Dr. Debnarayan Dutta from Amrita Institute of Medical Sciences and Research Center, Kochi. Discussing the gynaecological cancers, Dr. Partha Sarthi Bhattacharya from Mahatma Gandhi Cancer Hospital and Research Institute, Vishakhapatnam, talked about recent updates in management of Endometrial cancer and Dr. Gautam Sharma from Dr. B. Borooah Cancer Institute, Guwahati compared the dose distribution, complication and treatment outcome of 3DCRT vs IMRT in early stage cervical cancer and Dr. Todak Taba from Tomo Riba Institute of Health and Medical Sciences, Naharlagun

described the screening and advances in gynaecological malignancies. A talk on recent developments in Orthopaedic Oncology was presented by Dr. Abhijeet Saulanke, an ortho-onco surgeon from Gujarat Cancer Research Institute. A panel discussion on head and neck cancer was conducted by Dr. Vikas Jagtap, who is head of Radiation Oncology Department (NEIGRIHMS), Shillong. A senior radiation oncologist from Imphal, Dr. Th.Tomcha Singh has presented a talk on nasopharyngeal cancer, which has highest incidence in Nagaland. Dr. Caleb Harris, Head of Surgical Oncology Department, NEIGRIHMS, Shillong and Dr. Leena Gupta Ligu, radiation oncologist from TRIHMS, Naharlagun had a debate on role of surgery vs radiotherapy in muscle invasive urinary bladder cancer. The 2nd day started by participation of Medical Physicists, with talk on Radiation safety aspect in India by Mr. Manas K. Pathak, Officer-In-Charge, Eastern Regional Regulatory Centre (ERRC), Atomic Energy Regulatory Board (AERB) and Mr. Sachindra Goswami, Senior Medical Physicist from Dr. B. Borooah Cancer Institute Guwahati elaborated the difference between IMRT and VMAT. Dr. Aroop Roy Barman, a senior radiation oncologist from Agartala had presented a talk on Non-Conventional method of de-addiction and another talk on information about palliative care among healthcare professionals. Dr. Niju Pegu from Dr. B. Borooah Cancer Institute Guwahati has presented a talk on experience in Extra-capsular Radiotherapy by Department of Oncosurgery in their institute. Two days programme saw an active participation by the students in poster presentation on day 1, out of which 6 were selected for paper presentation. Best paper presentation was conducted on 2nd day, where some very interesting studies were presented by Postgraduate students from different institute of the region. The two days programme ended with a Valedictory speech by organising secretary Dr. Leena Gupta Ligu.



CONFERENCES

30th ICRO Teaching Course SMS Medical College, Jaipur: 22nd – 23rd December 2018

Update from: Dr Rohitashwa Dana

The 30th ICRO teaching course with theme 'Medical Physics' for postgraduate students was held on December 22nd & 23rd 2018. It was hosted by department of Radiotherapy SMS medical college & attached hospitals Jaipur under the chairmanship of Professor & head Dr Rohitashwa Dana. There were over 82 registered postgraduate students from all across the country. Formal inauguration of the course was done by Principal & Controller Prof Dr Sudheer Bhandari. President AROI Dr Rajesh Vashistha along with Dr Manoj Gupta President elect AROI & Dr SN Senapati were present throughout the course. All the academic sessions were very interactive and students took active part. All core concepts of medical physics including brachytherapy, particle beam therapy, modern Radiotherapy techniques and

Radiotherapy plan evaluation were discussed in depth. After whole day of scientific teaching, in evening course dinner was organised in which all the students & faculty members took part and had informal discussions along with dinner. A quiz competition was also organised after the course, Dr. Arun R Hegde- Kidwai Memorial Institute, Bangalore & Dr. Ayushi Patni- DR RMLIMS, Lucknow were the winners. Both students will be given travel grant to attend the forthcoming AROI conference.

Certificate of participation were distributed to students by AROI & ICRO office bearers along with the faculty. The course was organised with unrestricted financial aid from Sun pharma.



7th SRMS Contouring Workshop SRMS-IMS, Bareilly : 24th – 25th November 2018

Update from: Dr Piyush Kumar

A two day seventh workshop of SRMS-IMS Contouring Classes was started on 24th November, 2018. The topic was "Contouring of Pelvic Malignancies". The workshop aims to teach faculty and residents about the latest radiotherapy techniques.

Dr. Piyush Kumar, Professor & Head of Department was course Chairman and

Dr. Arvind Kumar Chauhan (Asso. Prof) & Dr. Pavan Kumar (Asst Prof) were Course Coordinators. Faculties, Senior Resident and Junior Residents from S. N. Medical College (Agra), Regional Cancer Institute (Gwalior) and Kamla Nehru Memorial Hospital (Allahabad) attended this workshop.

This workshop is unique and only of its kind in whole India where delegates are given 10 hours of hands on training on

treatment planning system. The delegates are taught to identify the normal structures and organs at risk along with concepts of GTV, CTV and PTV in various sites like Cervix, Post Op Endometrium, Rectum, Urinary Bladder and Prostate. A live demonstration of VMAT Planning of CA Endometrium and its verification with IGRT followed by execution of the case was done to make a visual impact on the delegates. The Instructor for the course were Senior Residents Dr. Ayush Garg and Dr. Sankalp Naidu along with three Tutors Dr. Kanika Gehlaut, Dr. M. Navya and Dr. A. Srinivas Naidu.

The workshop was well appreciated by delegates and the feedback was very motivating.

CONFERENCES

7th SRMS Contouring Workshop SRMS-IMS, Bareilly : 24th – 25th November 2018

Dr. Nadeem A. Sarwat from Gwalior said “Gone through very good training and everything was cleared to me and I got very good knowledge, it was very good” and Prof. A. K. Arya from Agra commented “Good training, willing to complete all three sessions”.

With every forthcoming session, the department is trying to improvise on the contents of practical teaching. A compact disk, a collection of relevant books, articles and contouring guidelines is also being provided to delegates.



SENIOR ICRO-AROI-2018 GMCH, Nagpur : 6th & 7th OCTOBER 2018

Update from: Dr. Ashok Diwan

Indian college of Radiation Oncology (ICRO) is a wing of Association of radiation oncologists of India (AROI), west-zone Maharashtra chapter conducted a Senior ICRO teaching programme on 6th and 7th of October 2018 at the GMCH Nagpur. (Topic- Imaging & contouring demonstration)

The programme was organised by Department of Radiation Therapy & Oncology, GMCH, Nagpur under the guidance of Dr. Virendra Vyas and Dr. K.M. Kamble and course co-ordinator was Dr. Ashok kumar Diwan HOD Dept. of Radiation therapy & Oncology, GMCH Nagpur. The programme was inaugurated by Dean of the Institute Dr. Abhimanyu Niswade Sir in the presence of Medical

Superintendent Dr. Gosavi, Dr. K.M. Kamble Professor, Dr. Virendra Vyas and Dr. Ashok Diwan.

During programme there were 60 radiation oncologist attended the course from all over India including senior residents, junior consultants etc. and Dr. R.K. Vyas, Dr. Jigna Bhattacharya, Dr. Mahesh Upasani, Dr. Rajeev Shrivastava, Dr. Puneeth Seth, Dr. Mangesh Patil, Dr. Vaibhav Sonwani, Dr. Subeera Khan, Dr. Ashok Singh have presented imaging & contouring guidelines and radiologists of Nagpur including Dr. Hatgaonkar, Dr. Bokade, Dr. Rajdeo, Dr. Tiwari have also given their presentation on CT and MRI imaging modalities. Vote of thanks expressed by Dr. Sushil Meshram.



CONFERENCES

3rd Masterclass on Head and Neck Oncology Jammu and Kashmir: 15th December 2018

Update from: Dr. Vikas Roshan

In its endeavour to maintain best medical practices in the state of Jammu and Kashmir, the Institute of Oncology at Shri Mata Vaishno Devi Narayana Superspeciality Hospital Successfully organised its 3rd Masterclass on Head and Neck Oncology under the aegis of NZAROI and FHNO.

This year's focus was Head and Neck cancers in which Dr (Brig) Man Mohan Harjai, Chief Administrative Officer of Shri Mata Vaishno Devi Narayana Superspeciality Hospital (SMVDNSH), was the Chief Guest. More than 30 eminent faculties from different institutions across Delhi, Srinagar, Chennai, Chandigarh and Ludhiana delivered lectures on different topics related to Head and Neck – Oncology. This year masterclass completed in three sessions, the first session was covered by Prof Dr BK Mohanty, Dr.Hema Malini Aiyer, Dr Madhu Vijay, Dr Nitin Vermani, Dr.Geetangli Gupta, Dr. Geeta Bhagat, Dr Parveen Royal mokkapati, Dr Ashutosh Gupta participated and cover the topics from screening, prevention, pathological factors on which treatment of head and neck cancer depends and brachytherapy. Similarly, the second session described in detail the role of surgery, radiotherapy and chemotherapy in head and neck cancer. The speakers included Dr Jagadesan P, Dr Ritesh Ranjan, Dr Nadeem Shaukat, Dr.Shoukat Khan, Dr.Mir Hussain, Dr Malik Tariq, Dr.Dodul Mondal, Dr.Mandeep Singh, Dr.Deepak Abrol, and Dr.Sunil Kumar have discussed the various topic of head and neck cancers in detail.

In the third session, there were debates and discussions about different presentations of head and Neck cancers

moderated by Dr Shabab Angurana and Dr.Arshad Manzoor. Various Panelist involved are Dr Pramod Kalsotra, Dr Satish Mehta, Dr Nazir Ahmed Khan, Dr Ankur Mittal, Dr Balwinder Singh, Dr Kuldeep Sharma, Dr Vikash Kumar, Dr.Rahul Sharma, Dr Rohan Gupta, Dr Arjun Malhotra, Dr Rajesh Gupta, Dr Aman Sharma, Dr Niranjan Naik, Dr Alok Tiwari, Dr Aman Sharma. There was also a parallel session on Radiotherapy workshop on Head and Neck cancers, Contouring guidelines and controversies coordinated by Mr.Senniandavar, Mrs Titiksha Vasudeva. There was also e-participation from two speakers Dr.S Zenda, Cheif Radiation Oncology, National Cancer Institute, Japan, and Dr Purnima Upadhayay, Assistant Professor, Division of Hematology Oncology, Howard University. The conference Secretariat including doctors Dr.Vikas Roshan (Radiation Oncologist), Dr Rajeev Saini (Medical Oncologist), Dr Satyankar Gupta, Dr Paras Khanna, Dr Jagmohan Singh, Dr.Vikas Heer also discussed the staging part and head and neck topics like the role of proton therapy, head and neck sarcoma surgeries and immunotherapy in head and neck cancers

The sessions were coordinated by organising committee at SMVD Narayana Hospital, Consisting of Dr Vikas Roshan (Radiation oncologist), Dr Rajeev Saini (Medical Oncologist), Dr Satyakar Gupta (Medical Oncologist), Dr Tapan Sharma (Surgical Oncologist) and Dr.Paras Khanna (Surgical Oncologist).

The Conference was well attended by 250 delegates, Medical students from Government Dental college and nursing students from various colleges.



CONFERENCES

North Zone PRODVANCE 2018 Bathinda: 10th – 11th November 2018

Update from: Dr. Rajesh Vashistha

PRODVANCE is an educational initiative by AROI & ICRO specially designed for young radiation oncologists with a clinical experience of 1-10 years. This program will familiarize them with the process of imaging, contouring & plan evaluation for different sites.

Max Superspeciality Hospital Bathinda has organized ICRO teaching program PRODVANCE 2018 which was held on 10th and 11th Nov 2018 with the theme of "Radiology and contouring in radiotherapy" at Central University, Auditorium, Mansa Road, Bathinda under the guidance of Dr. Rajesh Vashistha, Chairman and Dr. Manjinder Singh as a course coordinator. This program was inaugurated by the Prof. R.K. Kohli, Vice-Chancellor, Central university of Punjab, Bathinda, Guest of Honour was M.K. Mahajan, Sr Prof. Radiotherapy. Sessions were oriented on imaging of the sites like Brain, Head & Neck, Thorax, Breast, Abdomen and

Pelvis with Clinical anatomy along with contouring of the sites such as Ca Breast, Ca NSCLC, Ca Thorax, Ca Prostate, Ca Rectum, Ca Head & Neck, Ca Cervix, Ca Brain etc with organ at risks (OARs). The faculties for the session were Dr. Rakesh Kapoor, Dr. Vivek Kaushal, Dr. Sajal Kakkar, Dr. Rajiv Gupta, Dr. Chandan Kakar, Dr. Munish Gairola, Dr. Vineeta Goel, Dr. Amit Bahl, Dr. Manjinder Sidhu, Dr. Meenu Gupta, Dr. Devasenapathy, Dr. Kundan Singh Chufal, Dr. Shyam S Bisht, Dr. Shikha Halder, Dr. Ritesh Kumar, Dr. Sapna Nangia, Dr. Bhavana Rai, Dr. Pankaj Kumar and Dr. Hareesh KP. More than 50 delegates have participated in this teaching program from the North-Zone Chapter of AROI. All the faculties have delivered their presentations and share their knowledge based on the theme with the delegates. The contents of the presentation were very effective and useful for the delegates to enhance their knowledge and skill.



CONGRATULATIONS Dr. Vibhay Pareek Best Paper Award ESTRO ASIA 2018 Singapore 7th - 9th Dec 2018.

ESTRO ASIA 2018 was an international conference organized in association with ESTRO and FARO. The conference had many international delegates and total 350 abstracts submitted. I had the opportunity to present my paper on 'Hippocampal avoidance in WBRT for Metastases – Neurocognitive and Dosimetric Assessment' which was adjudged

the best paper. There were 3 other papers awarded to presenters from USA, South Korea and Iran. The award was presented in the form of a certificate and a grant from Mevion. The award was given by FARO president Dr. Shyam Shrivastava and ESTRO President Dr. Umberto Ricardi.



CONFERENCES

CRABECON 2018

Jammu and Kashmir: 6th & 7th OCTOBER 2018

Update from: Dr. Deepak Abrol

Divisional Commissioner Jammu Mr Sanjeev Verma and Prof Dr G K Rath Head National Cancer Institute Aiims, New Delhi Inaugurated a live Cancer Awareness Workshop Crab e Thon and Chaturth Conference of Lajwanti Bhagatnath Radiations Of Hope CRABECON 2018 at Hotel KC RESIDENCY. The Conference was held under aegis of Association of Radiation oncologists of India North Zone and was supported By Maharishi Dayanand Hospital and Medical Research Centre, J and K Bank, Fortofino by Silverlines, Indian Oil Corporation Limited, Mice Ideas , Euphoria Infotech and Various Corporate,Business and Pharma Houses.

Crabethon is supposed to be the first of it's kind Teleoncothon live for 24 Hours at Stretch. This workshop was held on sidelines of Crabecon Chaturth, 4th Conference of LBNROH in Succession. Conference witnessed participation by Senior ONCOLOGISTS of India like Dr Rajesh Vashistha President Elect AROI, Dr Rakesh Kapoor President NZ AROI, DR Shyam K Shrivastav President FARO, Dr Ashok Vaid Chairman Medical Oncology Medanta. CRABETHON connected Oncologists, Specialist Doctors, Administration and civil society who started deliberating on issues related to Cancer. Live Cancer Awareness Workshop begin at 12 noon Saturday and was live for 24 hours at stretch till 12 noon on 7th October. A Beautifully designed studio was created and through various social media channels people started interacting live with Panel of experts in studio from where live streaming was done. People started connecting with this unique Fund Raising Event on LBN RADIATIONS OF HOPE Facebook page, Twitter handle, a specially created YouTube channel Crab Drishti and they also connected on website

www.lbnrohncancare.org. Divisional Commissioner in his address was highly appreciative of such kind of events and efforts being put by LBNROH in sphere of cancer Awareness. He said that such kind of events should also be held in far removed areas and appealed Medical fraternity to work with missionary zeal for Cancer Patients.

Organisers told that more than 50 ONCOLOGISTS from all over India were at Jammu for this event deliberating on various topics of cancer Awareness. Dr Deepak Abrol Convener of Crabecon Chaturth and CRABETHON-Teleoncothon said that its important to aware the public that about 60 percent of cancer is preventable and adopting healthy life styles, leaving tobacco and controlling HPV, and HBV through vaccination programs can reduce cancer load. He said that it is for first time in World that a panel of experts are available round the clock for 24 hours at STRETCH to answer questions of public and whole Globe is being connected on Cancer Awareness at Jammu. He said people, organizations and groups Have come forward to support this fund raising event for poor patients. Dr Deepak thanked the Media for their whole Hearted support for this noble cause and told reporters that Government is already doing a lot in cancer care and people should come forward and join hands in support of Cause of Cancer Care. On this Occasion Mr Amit Sharma KAS, Senior Officer in J and K Government was Honored with LBN Sword of Honor for his untiring efforts in Cause of Cancer Awareness. A special feature of Crabecon has always been the distribution of cheques to Needy patients and providing free medicines to poor cancer patients.





Awards & Honours

WINNERS OF BEST PAPER & FELLOWSHIP

NEIL JOSEPH FELLOWSHIP

Dr. Praloy Basu	Department of Radiotherapy, Medical College Kolkata
Dr. Shipra Gupta	PGIMER ,Chandigarh
Dr. Satadru Biswas	R G Kar Medical College & Hospital, Kolkata
Dr. M Navya	Department of Radiotherapy at Shri Ram Murti Smarak Institute of Medical Sciences, Bareilly
Dr. srinivas naidu adadi	Shri Ram Murti Smarak Institute of Medical Sciences, Bareilly.
Dr. Abhilash Menon	JIPMER, Puduchery
WAITING	
Dr. Kanika Gehlot	Shri Ram Murti Smarak Institute of Medical Sciences, Bareilly
Dr. Abhilash Menon	JIPMER. PUDUCHERY

AROJ with in India Fellowship between 30 -35 years

Dr. Shirley Christabel	Assistant Professor, Department of Radiation Oncology, Shirdi Sai Baba Cancer Centre, Kasturba Medical College, Manipal
Dr. Chira Ranjan Khadanga	Hemalata Hospital, Odisha
Dr. Bharti Devnani	All India Institute of Medical Sciences, New Delhi

WAITING

Dr Rohith Singareddy	Department of Radiation Oncology Hyderabad.
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< 35 YEARS Domestic

Dr. Ashish Madukar	HCG Apex cancer centre Mumbai Maharashtra 400103
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WAITING

Dr. Sheikh Owais Ahmad	Department of Radiotherapy at government medical college, srinagar J&K. Mob No.9149446279
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OVERSEAS 35 TO 40 YEAR

Dr. Vikas Jagtap	Department of Radiation Oncology ,North Eastern Indira Gandhi Regional Institute of Health And Medical Sciences (NEIGRIHMS), Shillong - 793018 (Meghalaya)
Dr. Ritesh Kumar	Radiation Oncology in All India Institute of Medical Sciences (AIIMS), New Delhi

OVERSEAS 40-50 YEARS -AROJ Kirloskar Therapeutics Ltd .

Dr Preety Jain	Dept of radiation Oncology Govt cancer hospital Indore.
Dr. Savita Arora	Department of Radiotherapy, Maulana Azad Medical College New Delhi
DR KANHU CHARAN PATRO-	MAHATMA GANDHI CANCER HOSPITAL & RI, 1/7,MVP,VISKHAPATNAM,AP,INDIA-530017 ,
WAITING	
Dr. Sanjukta Padhi-	AHRCC Cuttack



Awards & Honours

OVERSEAS MORE THAN 50 YEARS

Dr. jai prakash agarwal	Tata Memorial Hospital, Parel, Mumbai 400012, India
WAITING	
Dr Francis V James	RCC/Thiruvananthapuram

GC PANT YOUNG DOCTOR AWARD

Dr. Priyamavada Gupta	Tata Memorial Hospital, Mumbai

BEST PROFFERED PAPER MORE THAN 40

Dr. Gautam K Sharan	M N B Cancer Institute, Inlaks & Budhrani Hospital, Sadhu Vaswani Mission's Medical Complex, 7- 9, Koregaon Park, Pune-411 001,

BEST PROFFERED PAPER LESS THAN 40

Dr. Manjinder Singh Sidhu	Max Superspeciality hospital, Bathinda, Punjab-151001.

DR. MS GUJRAL GOLD MEDAL

Dr. Y Susheel Kumar	Department of Radiotherapy, Sanjay Gandhi Post Graduate Institute of Medical sciences Lucknow

DR. MC PANT GOLD MEDAL

Dr. Shipra Gupta	PGIMER ,Chandigarh

TRAVEL FELLOWSHIP

Dr. Sankalp Naidu	Department of Radiotherapy at Shri Ram Murti Smarak Institute of Medical Sciences, Bareilly Mob No.9959914308
Dr. M Navya	Department of Radiotherapy at Shri Ram Murti Smarak Institute of Medical Sciences, Bareilly Mob No.9885253273
Dr. Pavitra Vijayaraghavan	Apollo Gleneagles Hospital, Kolkata
Dr. GHRITASHEE BORA	Dr. B. Borooah Cancer Institute Guwahati, Assam
Dr. Poornachandra tejaswi	Kidwai cancer institute Bangalore

GOLD MEDAL MEDICAL PHYSICIST

Mr. Balbir Singh	Max Superspeciality hospital, Bathinda, Punjab-151001.
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Upcoming.....



Apollo Cancer Conclave 2019
24, 25-27, January 2019
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Theme | 3D Radiotherapy with a Special Emphasis on Implementation of MRI/CT Based Brachytherapy in Cervical Cancer

14th to 17th March, 2019

Department of Radiation Oncology
All India Institute of Medical Sciences, Rishikesh 249203 (U.K.)
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Upcoming.....



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Upcoming Sessions

Login to Schedule

Date/Time	Speciality	Disease Site	Specialist
Thu, Dec 27, 4:00 PM IST	Radiation Oncology	Head and Neck	Dr. Cessal Kainickal
Thu, Jan 3, 4:00 PM IST	Radiation Oncology	Breast	Dr. Tabassum Wadasadawala
Thu, Jan 10, 4:00 PM IST	Radiation Oncology	General	Dr. Supriya Sastri (Chopra)
Thu, Jan 24, 4:00 PM IST	Radiation Oncology	Pediatric	Dr. RIMPA ACHARI
Thu, Feb 7, 4:30 PM IST	Radiation Oncology	Sarcoma	Dr. Nehal Khanna

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