Association of Radiation Oncologists of India

NEWSLETTER SAMPANDAN

QUATERLY NEWSLETTER

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Current status of carbon beam therapy for cancers

Takashi Nakano, MD, PhD,

In radiation therapy, advanced radiation therapy technique for increasing the concentration of the dose to the cancer lesion was remarkable progress and "radiation therapy to cure cancer with preserving organ", so-called is in the spotlight. In these advanced radiation therapy, heavy ion radiotherapy has been spotlighted in superior dose convergence and the high biological effectiveness and is one of the minimally invasive treatments that gives best QOL after treatment in addition to a strong ability to control cancer. Japan is leading internationally this innovative treatment and heavy ion therapy will become an important radiation therapy for cancer in the near future.

The heavy ion therapy is a treatment that ions such as carbon ions are accelerated to nearly 70 percent of the speed of light and are used for cancer treatment. The heavy ions have two major characteristics that they have excellent dose-distribution superior to X-rays therefore can treat the tumor more selectively and, another one, have 2-3 times stronger cell killing power than X-rays and protons therefore can effectively control the radiation-resistant tumors. They can kill intensive cancer cells with sparing the surrounding normal tissue. Therefore, as a effective treatment that "cancer is cured without compromising the life function by surgery" to provide excellent QOL, Heavy ion therapy is expected for radiation resistant tumor types such as liver cancer, malignant a n d melanoma, bone soft tissue

According to treatment results of clinical trials of carbon ion beam therapy for over 8000 patients, which was started in June 1994 in the NRIS in Chiba Japan, at present, lung cancer, liver cancer, head and neck cancer, prostate cancer, bone and soft tissue sarcoma and so on are considered good choices for heavy ion therapy. This achievement is evaluated as one of the most important science and technology results in the 10-Year Strategy for Cancer Control and Japanese government initiated a strategy for promoting the spread of the particle beam therapy across the promoting the spread of the particle beam therapy across the promoting the spread of the particle beam therapy across the promoting the spread of the particle beam therapy across the promoting the spread of the particle beam therapy across the promoting the spread of the particle beam therapy across the promoting the spread of the particle beam therapy across the promoting the spread of the particle beam therapy across the promoting the spread of the particle beam therapy across the promoting the spread of the particle beam therapy across the promoting the spread of the particle beam therapy across the promoting the spread of the particle beam therapy across the particle beam therapy across the promoting the spread of the particle beam therapy across the promoting the spread of the particle beam therapy across the promoting the spread of the particle beam therapy across the promoting the spread of the particle beam therapy across the promoting the spread of the particle beam therapy across the promoting the spread of the particle beam therapy across the promoting the spread of the particle beam therapy across the promoting the spread of the particle beam therapy across the promoting the spread of the particle beam therapy across the promoting the spread of the particle beam therapy across the promoting the spread of the particle beam therapy across the promoting the spread of the particle beam therapy across the promoting the particle beam therapy acr

The Gunma University started heavy ion therapy with the development of concise heavy ion therapy facility from March 2010 and more than 1000 patients with various cancers have been treated safely.

We presented a paper that introduces present status of the heavy ion therapy quoted with results at NIRS and outline of Gunma heavy ion therapy project and to prospect future.

Happy New Year 2015

From the office of Secretary General, AROI, ICRO and Editorial Board

Dear Colleagues

Last three months have been quite hectic for all of us. Most happening event apart from traditional festivals like Dushhera, Diwali, Durga Puja and now Christmas has been Annual AROI meet at Imphal, Manipur.

It was 1st time event was shifted to far off unexplored land and organizers left no stone unturned to make it the most memorable one. Participants showed maximum attendance during sessions but took time out to enjoy natural beauty around Imphal, attended cultural fiesta in evenings and came back with enchanting experience.

Just a reminder, those of you who are not receiving AROI journal or haven't received AROI membership certificate, please email your postal address to make it reach to you.

Seasons Greetings & Happy New Year

Dr. Rajesh Vashistha Secretary General AROI

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Presidential Address—Dr. Ramesh Billimagga, Outgoing President AROI



Alas!!! Two years have passed since I took over the mantle of the AROI President ship in the 34th conference of AROI held at Kolkata from the then sitting President Dr. S. Hukku. Time flies very fast. In these two years, I had the great opportunity to visit all the states/zonal branches in India and interact with our AROI members. It was an eye opener for me to know and

understand the cultural differences, academic variations and oncology facilities in different parts of India. Our country has progressed a lot. There are centers of the excellences which are praiseworthy. In these centers what we need is a uniform quality assurance in deploying the highest technical skill to our patients. This will help us to keep in pace with the international radiation standards. However, the depressing scene is that there are many radiation centers in India, which lack adequate trained professionals and the radiation facilities. This is where our state chapters / zonal chapters should interact with the regional radiation centers and make a representation to their respective governments to upgrade these facilities immediately. There are government funds available which are going unutilized. This could be due to lack of initiation on the part of the faculty heading the institutions or the general attitudes of the bureaucracy and lethargy that exists in those centers. We shall beat it. Today, India has only 1/3 of the required radiation facilities and that too they are unevenly distributed. It is high time that AROI to come out with a white paper and present the current status to the govt. and demand from the authorities to fill up this facility to the international level as recommended by WHO & IAEA.

On the educational front we are having MD Radiotherapy and DNB courses. We produce around 150-200 post graduates per year. The current rate may appear adequate. At present about 40-50 radiation machines are added in India. This uptake of postgraduates must be balanced to the future availability of radiation facilities in India otherwise we will soon gain an in balance with glutting of postgraduates and it will result in fighting for a job. About the training facilities of these post graduates, very few center in India are having adequate faculty & facilities for training. These institutions need to be upgraded. Today, our post graduates have to compete in the international forum. Our specialty is classified as broad specialty. Hence there are disadvantages in recruitment & promotions to our members in Government services. Our post graduation program was designed 30 years back. Today science of

radiation oncology has grown leaps and bounds. We need to extend the 3 years course to 5 year course. This will qualify us to be called as super specialists. In our association we have created a think tank consisting of renowned teachers to deliberate over this issue and present it in our next association meeting.

ICRO has been very active in conducting teaching and training programs. It has matured over a period of time. Now it is a force to be reckoned with. It's the time that we have to bring out standard teaching modules. This calls for creating a data bank of national teaching faculties. They need to be trained in communication ability for a better coordinated educational program.

Our association interaction with the international bodies such as ESTRO, ASTRO is going very strong. We have conducted 04 AROI -ESTRO teaching programs in various parts of India, they are in great demand. The 1st "best of ASTRO" program is going to be held at Mumbai. You will be receiving the communication very shortly. Last year AROI became the founding member of the FEDERATION OF ASIAN RADIATION ONCOLOGISTS. I, representing AROI was elected as its vice president. Asia has a great role to play in the world scene of radiation oncology. It is good that Asian nations have come together. At the conference held in Imphal I was elected as chairman international collaboration committee and I would like to further strengthen our ties with these organizations. I also feel AROI should be participating in several programs of UICC, WHO, IAEA & other governmental agencies internationally.

We have initiated a Young Radiation Oncologists forum under the banner of AROI. They have conducted 02 conferences already. YROC is very active and it is our responsibility to nurture them and they will be our future leaders of AROI.

Lastly, on 08-November-2014 in the general body meeting of AROI held at IMphal, my term of office as president of AROI ended and passed over the presidential post to the next worthy President Prof. M.C. Pant from Lucknow.

Dear members, I thank all of you for giving me an opportunity to serve this great organization.

I ever remain grateful to you all.

Thanking you,

Prof. Ramesh S. Bilimagga, Immediate Past President, AROI.

NZAROICON at Pt.BDSPGIMS, Rohtak

tre, Pt. B. D. Sharma PGIMS, Rohtak from 20th the country including states like J&K, Harya- and compendious manner. Dr. B.P. Das was

20th Annual Conference of North Zone Associ- to 21st September 2014. The theme of the na, Himachal Pradesh, Punjab, U.P., Utation of Radiation Oncologists of India conference was 'Recent advances in Oncolo- trakhand, Delhi, and Karnataka. Renowned (NZAROICON-2014) was hosted by Depart- gy and their applications in clinical practice.' international and national faculty covered ment of Radiotherapy, Regional Cancer Cen- It was attended by participants from all over the recent advances in oncology in a focused



given the 'Lifetime achievement award' for his selfless contribution in the field of radiation oncolo-

Presidential Message—Incoming President Dr. M C Pant



I am thankful to all the members of the AROI for giving me an opportunity to serve the association, I congratulate all of them. The main goal of the organization is to make the association vibrant and competitive in both academic and research at par the international level. A good onsite training program for the young radiation oncologist is required, this can be

achieved by mutual collaboration between the government and private institutions.

In the field of research likeminded people having common organ specific area of interest should come together and do multicentric research, initially in Head and Neck, Breast, Cervical and Lung cancer keeping in mind the Indian conditions, by formulating different protocols and pool their data and publish it. In future, we can ask a joint grant for research from DST, CST or ICMR for the multicentric-joint research project. To fulfil the objective of research AROI may contribute some grant for the same.

The time has come now to request MCI to change the nomenclature of MD Radiotherapy degree to MD Radiation Oncology. In the present scenario radiotherapy subject is very advance and high -tech, there is a need for starting DM Radiation Oncology program so that the subject recognition should is at par with DM (Medical Oncology) and M.Ch. (Surgical Oncology). For this a team of experts will look after the matter and make curriculum and the essential qualification for DM Radiation oncology program so that the matter may be pursued for approval from MCI.

There is a need of close collaboration between AROI and AERB to resolve various issues of the association and there is also a need of formation of code of conduct for the vendors by the association to minimise the dispute between vendors and users of the association.

Radiation oncologists who are willing to contribute some of their time in preventive oncology should be encouraged and the association will recognize their work by forming a preventive oncology forum in AROI.

I will appreciate if any member of the association helps me by giving new suggestions and their willingness to participate/ contribute in some or other way for the betterment of the association. I would once again like to thank all the members of the association for giving me this opportunity to serve the association.

Thank you,

(Prof. M.C. Pant)

Vice-Chancellor, Uttarakhand Medical University

26th UPAROI meet _ A report

26th annual conference of Association of Radiation Oncologists of India - UP chapter was organised by Department of Radiotherapy, R. R. Cancer Institute and Research Center, Shri Ram Murti Smarak Institute of Medical Sciences, Bareilly. The theme of the conference was "Update on Breast and Cervix Malignancies".

Eminent faculties from apex institutions of India made the scientific content more rich. Besides scientific



deliberations two panel discussions were held. The conference was specially focused on our young upcoming radiation oncologists by organizing PG Quiz, Oral and poster paper presentations. Young faculty paper presentation was a novel feature in the state chapter which gave an opportunity and platform to the present generation of radiation oncologists for presenting their research work before the senior and junior generations.

The conference was highly appreciated by all the delegates and faculty. It had a lasting and enriching impression on the minds of each of the participants. This conference educated about the conventional radiotherapy techniques to the postgraduates and updated about the latest techniques of radiotherapy at the same time. The scientific schedule was aimed to prepare each and every one to face the new challenges in the radiotherapy management aspects of breast and cervix malignancies which the clinicians face in day to day life.

Kudos to winners at AROICON, Imphal

1.Best Excellent Proffered Paper

Less then 40 Years age group -

Dr. Alok Chand, GMC, Nagpur

More Then 40 Years groups -Dr. Vijay Anand Reddy,

Apollo Cancer Hospital, Hyd

2. Dr. G.C. Pant Young Docter Award

Dr. Rajnigandha, MCH, Kolkata

3. Dr. M S Gujral Gold Medal

Dr. Vijay Karan Reddy, Apollo Cancer Hosp,, Chennai

4. Dr. J M Pinto Gold Medal

Dr. Archya Das Gupta,

TMC, Mumbai

5. Travel Fellowship

a) Dr. Rahul Mishra

GCRI, Ahmedabad

b) Dr. Vishal Manik-

MMC, Chennai

c) Dr. Arpital Bindal

TMH, Mumbai

d) Dr. Arvind Murthy-M.S.Ramaiah, Bangalore

e) Dr. Bharath Chandra G AIMS. Kochi.

6. Gold Medal (In Best Paper) Medical **Physicst**

Mr. Ebnezer, CMC, Vellore

Result of AROI Fellowship

Age group more than 50 years AROI- Kir**loskar Therapeutics**

Dr. Dr. Kishor Singh, MAMC, Delhi Dr. Surya Narayan, GCRI, Ahmadabad

Age group more than 40-50 years AROI-Novartis, Dr, Reddy's, Merck

Dr. Shalin Kumar, SGPGI, Lucknow Dr. Piyush Kumar, SRMSIMS, Bareilly Dr. Rohini Khurana, RML, Lucknow (WL-1)

Dr. Manish Gupta, IGMS, Shimla (WL-2)

Age group 35- 40years AROI Nucletron, Dr. Reddy's Lab, Fulford MSD

Dr. Saikat Das, CMC, Vellore

Dr. Anis Bandhopadhya, KMC, Kolkata

Dr. Sandeep Kumar, Jammu Med Coll, J & K (WL-1)

Dr. Pankaj Kumar, Max, Delhi (WL-2)

Shoiab Angurana, Jammu Med Coll, J & K (waiting List-3)

Age group 30-35 years AROI,

Rs. 50,000

Dr. Raja Paramjeet Singh, GMC, Fridkot

Dr. Aieet Gandhi, AIIMS, Delhi

Age group 30-35 years AROI, Dr. Reddy's, AROI Rs. 20,000

Dr. Anushama Bansal,

PGIME&R, Chandigarh

Neil Joseph Fellowship

Dr. Vishal Manik, MMC, Chennai

Dr. Bharat Chandra G, AIIMS, Kochi

Dr. Ram Abhinav K

MSRMS, Bangalore

Dr. Ritika Harjani, MSRMS, Bangalore

Dr. Vijay Karan Reddy

Apollo Cancer Hosp,, Chennai

Dr. Tanmoy Ghosh, MC, Kolkata

Dr. Santanu Samanta

CMC, Vellore (WL)

AROI- Fellowship for Medical Physicist Rs. 20.000

Mr. Christy Alekchander, Max, Bathinda AROI- Fellowship for Radiotherapy Techni-

cian Rs. 10.000

Mr. Govind Kumar, Max, Bathinda

MINUTES OF GBM AT AROICON IMPHAL 8TH NOV 2014

Meeting convened by Dr Rajesh Vashistha Secretary General AROI and presided by President AROI Dr Ramesh Billimagga.

Members marked their presence in wring with signatures

Dr M K Mahajan proposed obituary for Dr A D Singh who passed away recently. Obituary for Dr Sanjay Supe was also on agenda. One minute silence was kept for the departed souls. Another member Dr jayanto Biswas also passed away in recent past.

Dr M K Mahajan spoke few words about Dr A D Singh. Dr Pramod spoke about Dr Sanjay Supe.

Minutes of last annual GBM were kept before house and passed. Dr Kilara proposed and Dr S C Sharma seconded.

Last GBM passed successfully.

Dr Vashistha told that Membership strength has increased to 2099. With 252 new members

69 Papers received for Best Paper Session.

YROF formed and two hours to be given to this forum in AROI conference.

2nd YROF conference was held in Vishakhapatnam in 2014. 3rd YROF to be held at Bhubneshwar in 2015.

INTERNATIONAL COLLABORATION

ESTRO teaching course was attended by 165 delegates. There were 8 Int Faculty and 2 national. Next year proposal of 6 Int and 4 National. ESTRO people have assured to accommodate and help the candidates who receive AROI fellowship awards.

ASTRO ESTRO teaching course held successfully.

Best of ASTRO to be started. Ist meeting to be organised by Kokilaben Hospital Mumbai. Dr Kaustav Talpatra to organise.

Change of name of Speciality

Change to Radiotherapy and Clinical Oncology very difficult. Refused by MCI. Now can be changed to radiation oncology

Dr Shaleen Kumar said that Cancer scenario has changed. Most of the patients coming with co morbidities. Question is to treat these comorbid illness by oncologist or to be referred. To be treated by oncologist a training in Internal Medicine is

Dr S C Sharma questioned large resistance

from MCI.

Most of the senior members were against changing of name but younger members wanted a change in name.

Voting was done by hand raising and final verdict was in favour of change in name. MD Radiotherapy to be allowed to go for further studies DM/DNB in Medical Oncology. To write letters from AROI to dif-

cology. To write letters from AROI to different institutions that are undertaking these degree courses and to request them to consider MD radiotherapy candidates.

Dr Arvind verma and Dr Shaleen stressed upon Internal Medicine training.

Dr Hukku and Dr Reddy Dr Nalini Dr S C Sharma opposed the move of Radiotherapy candidates to medical Oncology.

Dr U P Shahi said that syllabus of Radiotherapy should be modified and we should allow our candidates to go for DM/DNB Medical oncology Dr Madhup Rastogi also said since there are very less jobs in speciality and most of senior members are well settled so younger generation should be given opportunity to switch to Medical oncology.

Dr Billimagga said that Association is not going to write to institutions. Dr Shahi proposed to form a committee. A committee was formed DR pant Dr Madhup Dr Abhishek and Dr Shashi to further look into the matter

Dr Ayyagiri strongly opposed the switching over of candidates from Radiotherapy to Medical Oncology

Separate wing For Preventive Oncology

AROI will support if any institute undertakes this venture.

Collaboration with AMPI

Proposal of Clinical oriented session in AMPICON and Physics oriented session in AROICON

Dr Madhu proposed to have more awards for Medical physics

Dr Reddy proposed Dr Mahajan seconded President AMPI suggested that dates of Conferences should be fixed after consultation between two organisations.

Dr Kilara proposed Dr Pramod seconded.

AERB

Dr S K Srivastava coordinating with AERB for 7-8 years. Proposal of members was to have a fixed meeting every year. Dr

Srivastava said same is possible if agenda is pre decided.

Dr Hukku proposed Dr Sharma seconded UICC Membership

Members agreed for UICC membership for AROI.

Dr Madhu proposed. Dr Kilara seconded **FARO**

Members agreed to be part of Federation of Asian Radiation Oncologists.

Dr Bhowmick proposed. Dr S C Sharma seconded.

International Coordination Committee

Dr SK Srivastava for FARO

Dr Umesh Mahanta Shetty for ESTRO

Dr Vijay Anand Reddy for ASTRO

President Elect

House wanted old system to continue and no proposed President elect

Dr Bhowmick proposed Dr Shahi seconded.

Constitution Rewriting

Members agreed for review and rewriting of constitution. A committee comprising of Dr Bhowmick, Dr Ganguly and one other member comprised. The committee to frame constitution in 6 months send to Executive committee and with suggestion to be presented in next year annual GBM. Suggestion if any to be sent to Dr Bhowmick at bhowkt@gmail.com

Dr kilara proposed Dr Arvind Verma seconded.

Bids For AROI ESTRO teaching courses

MAX Hospital Saket 2015

Ruby Hall Hospital, Pune 2016

AROICON 2016

Bids were from

Odisha chapter. Dr Senapati Spoke Tamilnadu and Pudducherry Chapter Dr Sevaluxmy withdrew after request Maharashtra Chapter. Dr Kamble from

Maharashtra Chapter. Dr Kamble from Nagpur spoke

Finally voting was done with hand raising and decision went in favour of Odisha chapter.

Multicentric Clinical Trial

Dr M C Pant proposed to have multicentric trial and a research committee to form for this purpose comprising of a Chairman and 5-10 members from different zones project date to be set in 3

months. House approved. Proposed by Dr Pant seconded by Dr madhu.

Vendors of RT equipment

Dr Hukku raised concern that vendors does not fulfil commitments. A committee to be framed as in IRIA for Radiodiagnosis equipment. The house approved. Dr Hukku to be chairman along with Dr Srivastava and President AMPI to be members and President and Secretary AROI to be ex officio members.

Proposed by Dr hukku and seconded by Dr Killara.

Accounts

Audited Accounts of AROI were put before members and passed. Members congratulated Dr Vashistha for raising and saving funds.

Proposed by Dr Sharma seconded by Dr O P Singh

Account of Journal could not be presented and passed. No advance money could be approved for Journal for next year. Finally it was suggested that Account of Journal to be mailed to executive body as soon as possible and get passed.

Proposed by Dr Bhowmick seconded by Dr Kamble.

ICRO report

ICRO strength is 176 now.

97 life members and 79 founder members. ICRO teaching courses completed successfully last year.

Next courses to be held in Bareilly , Wardha and AP chapter.

Election results

Dr Bhowmick Election Officer handed over results to President

President DR MC Pant

Sr Vice President Dr U P Shahi

Jr Vice President Dr V Srinivasan

ICRO Chairman Dr G V Giri

ICRO Vice Chairman Dr Satyajit Pradhan

ICRO Secretary Dr S N Senapati

Sun Pharma

House applauded support from Sun Pharma and Mr Suri.

Meeting closed.

36th AROI a Report

The 36th Annual Conference of Association of Radiation Oncologists of India was successfully organized at the magnificent City Convention Centre, Imphal during Nov. 06-09, 2014 by the Department of Radiotherapy, Regional Institute of Medical Sciences under the aegis of North East Zonal Chapter of AROI. The conference was attended by about 700 delegates. The resources persons comprised of about 20 International faculty and another 70 from India.

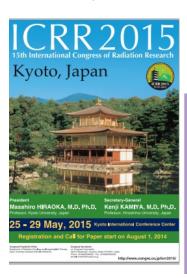
The pre-conference ICRO CME was well received, this time it dwelled on Brachytherapy. Faculties of American Brachytherapy Society with the collaboration of some Indian faculties conducted the CME. The salient feature of AROICON this time is incorporation of more of panel

discussions, case capsule discussions, debates Young Radiation Oncologists Forum etc thereby making it more dynamic, interactive and useful.

The entertainment component and sight-seeing vistas were phenomenal and unprecedented. There were cock-tail dinners in all the 4 nights in different locations. The famous and exquisite Manipuri Cultural programs were arranged on 3 nights. Live music and live band party flanked the dinners. Delegates and associate delegates were busy making trips for sight-seeing/marketing and even a trip to neighboring country, Myanmar. On the night of the last day of the conference, a parting dinner was thrown at the residence of Organizing Chairman.











6th - 8th February 2015

HICC (Hyderabad International Convention Centre), Hyderabad Pre-conference Workshop: 5th February 2015, Apollo Cancer Hospital, Hyderabad

Our Newsletter Partners for this issue



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Best wishes from Elekta and Sun Oncology

Happy New Year 2015













Forthcoming Events 2015







April 10-12, 2015 · Shanghai, China

www.asianoncologysummit.com/

National

January 2015

10-11 YROC 2015

Hemlata Cancer Hospital, Bhubaneswar

Contact; Dr. S K Mishra , Website : yroc2015.com

24-25 Yashoda Radiation Oncology Practicum

Yashoda Cancer Institute, Hyderabad Contact: Dr. S Chilukuri, Www:yicc.co.in

February 2015

6-8 2nd Appolo Cancer Conclave

Hyderabad International Conclave, Hyderabad

Contact: Dr. V A Reddy, Email: acc.cci2015@gmail.com,

Website: www.acc-cci2015.com

Other meets to look forward

RGCON Conference

27Feb- 01 March in Delhi, India

Brachytherapy Workshop (Dr. Rakesh Kapoor)

PGI Chandigarh 7th- 8th March, 2015

18th ICRO teaching program (Dr. Piyush Gupta)

Bareilly 18-19 April, 2015

AMPICON

20-22 November Trivandrum, 2015

AROICON 2015 in Lucknow 25-28 November, 2015

(Dr. M C Pant)

Compilation by :Dr. Pardeep Garg, Faidkot

AROI- ESTRO Teaching Course, Oct 19th-22nd, 2014, CHENNAI

Dr. Kamakshi Memorial Hospital, Pallikaranai and Cancer Institute, Adyar organised the AROI-ESTRO teaching course in Advanced Radiotherapy Technologies from October 19th to October 22nd, 2014 in Chennai. AROI promotes innovation, research and dissemination of scientific knowledge through its congresses, special meetings, educational courses and publications. For the first time in South India, the Radiation Oncologists and Medical Physicists from India and abroad met at Chennai for the course.150 delegates from different parts of India and abroad registered for the course. Postgraduates from the various teaching institutes from Tamilnadu and neighbouring states benefitted the most.

It was a four day scientific programme. First day, 150 delegates were divided into two groups. Each group had live demonstration of 4D CT image acquisition, gated treatment planning and execution .International ESTRO faculty - C.Rasch, R.Crevosier, V.Hansen, JJ.Snoke, R. de Jong were very amicable and took all efforts to clear the queries from the delegates. Sessions on clinical rationale of IMRT and IGRT, Dose volume relationship in various cancers, IMRT delivery techniques, VMAT and IMRT planning, dosimetry, planar imaging, volumetric imaging, adaptive radiotherapy, frameless IGRT, SRS and SBRT were discussed over the next three days. There was a good discussion on the workflow of radiation therapy in various countries. Audience voting were used to compare the facilities in Europe with that in India.

The course was a big success despite rains and diwali. Attendance was around 97% on all four days. But for the efforts of the organising secretary Dr.V.Srinivasan with the support of the President and Secy.General of AROI, it would not



have been possible to conduct an international course of this stature. Overall it was a scientific extravaganza all four days. Take home message of the course was - when, where, and why we need to stick on to the advanced modalities of radiation.

"We should not shy away from technology, rather we should embrace it."

Recent Openings

Max Hospital, Bathinda with IMRT/IGRT Linac, HDR, CT-SIM needs

Radiation Oncologists (2)

Senior >5 years experience Junior—Fresh-3 yrs exp

Contact:

Dr. Rajesh Vashistha, HOD drvashistha@gmail.com

HP Poddar Cancer Hospital, Gorakhpur with Linac, Theratron, HDR, CT needs

Radiation Oncologists -2

Contact:

hpcancer@gmail.com malihr@hotmail.com

Executive List AROI....some new faces and some old.....always to serve you.

| Designation | Name | Designation | Name |
|------------------------|-------------------------|------------------------------------|--------------------------------------|
| President | Dr. M C Pant | MP & Gujrat Chapter | Dr. Arti Kaul Patel |
| Secretary General | Dr. Rajesh Vashistha | Orissa Chapter | Dr. S. N. Senapati |
| Sr. Vice President | Dr. U.P. Sahi | Noth Zone Chapter | Dr. Manish Pandey |
| Jr. Vice President | Dr.V.Srinivasan., | Rajasthan Chapter | Dr. O. P. Sharma |
| Joint Secretary | Dr. Deepak Abrol, | North East Zone | Dr. Judita Syiemlieh |
| Joint Secretary | Dr. Madhup Rastogi | T N & Pondicherry Chapter | Dr. Selvamani Backianathan |
| Treasurer | Dr. Neeraj Jain | U P Chapter | Dr. Piyush Kumar |
| Editor in Chief | Dr. Nagraj Huilgol | West Bengal Chapter | Dr. Alok Gosh Dastidar |
| ICRO Chairman | Dr. G.V. Giri | Defence Representative | Dr. (Col.) Sharad Bhatnagar |
| ICRO Vice Chairmen | Dr. Satyajit Pradhan | Medical Physics representative | Mr. R. K. Munjal |
| ICRO Secretary | DR. S. N. Senapati | DAE Representative | Dr S.D. Sharma |
| Executives List | | President 2012-14 | Prof. Ramesh S. Bilimagga., |
| A P Chapter | Dr. Vinitha Reddy | Secretary General 2000-2004 | Dr. K. T. Bhowmik |
| Bihar Chapter | Dr. Jitendra K Singh | Newsletter Editorial Board Members | Mr. Deepak Arora, Dr. K K Singh |
| Karnataka Chapter | Dr. Naveen Thimmaiah | Newsletter Editorial Board Members | Mr. Amrinder Chhabra, Dr. Y Indibor |
| Kerala Chapter | Dr. K. S. Suresh Kumar | Newsletter Editorial Board Members | Dr. U K Mathur, DR. Akshay Nigamin, |
| Maharashtra Chapter | Dr. Umesh Mahant Shetty | Newsletter Editorial Board Members | Dr. Ruchir Bhandari, Dr. Meenu Gupta |



Response to last issue question

Potential of proton/ion therapy in Indian context?

I had opportunity to attend annual AROI and AMPI meetings at Imphal & Loni respectively and both places, there were panel discussions on this topic. No denial this technology can be of great help in treating children with cancer or cases where Tumor and OARs are very closer. However the cost of technology is still very high (~Rs.250 crores and above). Appolo, TMC, DSCI are potential early claimants going for it however progress has been slow. AERB is also working closely with vendors and potential users on room layout etc. At present pace, we may see a centre in next five years.

Full text responses received under response will be covered in next issue.

Deepak Arora, Editor

Views expressed are personal by respondent to question of the issue.—Editor

Question of this issue

Publication and citation of India based Radiation Oncology research in Global scenario, have we made our mark?

Please send your reply for publication in next issue of AROI newsletter to deepak.arora3@maxhealthcare.com

Apology: Last AROI Newsletter issue was Volume 9, Issue 3