

- ❖ **Name & Designation** : Dr. Shalini Thapar Laroia, Associate Professor
- ❖ **Address** : Dept. of Radiodiagnosis, Institute of Liver & Biliary Sciences, VasantKunj, New Delhi-110070
- ❖ **Name of the International Conference/ Seminar/Symposium/ Workshop** : RSNA 100th Scientific Assemble and Annual Meeting-2014.
- ❖ **Title of the abstract accepted** : Dual-energy spectral CT for characterization of hepatocellular carcinoma: Initial Experience
- ❖ **Venue & Date** : Chicago, USA, 29th November to 5th December 2014..
- ❖ **Money sanctioned** : ₹ 97,265/-
- ❖ **Money reimbursed** : ₹ 72,226/-

### Participation Report

Radiological Society of North America had its centenary world congress this year (2014) and was attended by more than 56,000 attendees and presenters. Attendees represented 130 countries. The academic event involved plenary sessions, Case of the day sessions, course evaluations, refresher courses, scientific presentations (oral and poster) as well as educational didactic lectures.

The scientific poster presented from our institute was amongst the 100 selected from the field of gastroenterology and hepatology subspecialty in Imaging from all over the world and was selected amongst the 2703 formal papers selected. The program included 225 refresher courses, 81 collaborative multisession courses, 2,703 scientific formal and informal presentations and 2,151 education exhibits.

**Academic highlights of the training/workshops, including major recommendation and the following:**

- (i) New Development presented at the Training/Workshop
- (ii) New Development resulting from the Training/Workshop (200 words)
- (iii) Name of the Publication in case your work is recommended for publication.-The scientific presentation is archived online for future reference. In addition the abstract is published in the abstract book of the scientific proceeding.

The conference offered workshops such as live demonstration of new techniques that can be used for contrast enhanced ultrasound, CT and MRI. Latest modalities including fusion imaging, Dual energy and spectral CT, Elastography studies and various other new innovations were discussed. The major thrust of interest for us was the latest MRI abdominal imaging techniques for the liver including liver fat quantification, Elastography and tumor perfusion studies. CT study discussions involved the advantages and vast selection of offerings, showcasing the latest discoveries, tools and techniques of

Spectral / Dual energy CT. It allowed us to study the various other innovations which can be utilized for the studies done at our institute on the multispectral /dual energy CT scanner.

In addition there were nearly 90,000 'Cases of the Day diagnoses' which were given every day to diagnose in a quiz format and made interesting academic reading. Courses regarding abdominal imaging stressed on hepatobiliary and pancreatic imaging in solid organ evaluations and regarding rectal cancer, as well inflammatory bowel disease involving luminal gut studies.

The program also included collaborative multisession courses and workshops on basic as well advanced research algorithms.

8. Participant's contribution to the training/workshops (100 words): **Also enclosed in annexure IV**

The participant session included interactive discussions regarding our work at the congress presentation venue for a slot of 30 minutes per person. Atleast 10 radiologists from different countries expressed interest in our work and discussed the procedure, study group and our method of analysis for the above study.

Similar studies from South Korea and Japan were also presented on Dual energy CT and it was interesting to observe how they had made their interpretation and analysis of different subgroups of hepatocellular carcinoma. Dual energy CT is an upcoming modality in Imaging and there was lot of interest shown in our paper by the other participating countries.