



First World Rhenium - 188 Congress (11th-13th Sep 2015)

REGISTRATION OPENS 8:00 am onwards

Day 1: Rhenium-188 Radiopharmaceuticals - 08:30 am - 05:00 pm

Tungsten-188/Rhenium-188 generator technology, New developments : 08:30 am - 10:30 am

CHAIR PERSONS: DR.PHILIP BLOWER, DR.ROGIER LANGE

Bernard Ponsard: "Production of W-188/Re-188 in the BR2 High-Flux Reactor" and "Securing the Supply of Medical Radioisotopes (25 mins)

Richard Henkelman: ITG (25 mins)

Philippe van Putt: Design of Re-188 generator considering diverse source of W-188 (25 mins)

Ashutosh Dash: 188-W/188-Re generators using low specific activity 188-W: Possible path forward (BARC) (25 mins)

10:30 am - 11:00 am TEA/COFFEE

11:00 am - 11:45 am - OPENING CEREMONY

Basics of Re chemistry and radiopharmaceutical development 12:00 Noon - 02.00 pm

CHAIR PERSONS: DR.SZE TING LEE, DR.HARVEY TURNER

Phil Blower: Chemistry and labeling methods for preparing Re-188 radiopharmaceuticals (12:00 pm - 12:30 pm)

M R A Pillai: Re-188 radiopharmaceuticals: Products having potential to move from bench to bedside (12:30 pm - 01:00 pm)

Advances in Re chemistry focused on development of new therapeutic agents

1. **Sharmila B:** Re DEDTC (BARC) (01:00 pm - 01:20 pm)

2. **Tatiana:** 188 Re Based Radiopharmaceuticals for Treatment Bone metastases: Comparative Data. (01:20 pm - 01:40 pm)

3. **Chih Hsien:** Translating Research of Re-188-liposome for Cancer Therapy: From Bench to Bed (01:40 pm - 02:00 pm)

02.00 pm - 03.05 pm LUNCH

RADIOPHARMACY, DOSIMETRY AND REGULATORY ASPECTS: 03.00 pm - 05.30 pm

CHAIR PERSONS: DR.SURESH S, BERNARD PONSARD

Harvey Turner: Important issues for establishing radiopharmacy and handling of Re-188 (20 mins)



Pedro: Quantitative measurements of Re-188 activity (20 mins)

Knut Liepe: Dosimetry for Re based microsphere, synovectomy and pain palliation therapy (20 mins)

Pankaj Tandon: Regulatory aspects for starting a Re 188 programme (20 mins)

Venkatesh Rangarajan: Issues for starting a Re programme (TMH) (20 mins)

Rogier Lange: Influence of carrier concentration and of varying the process variables on the product quality of Re Rp's (20 mins)

Pedro: Quantitative Imaging and Dosimetry Calculations for use in 188Re Radionuclide Therapies. (20 mins)

INFORMAL BANQUET - "LUNGI DANCE" THE KOVAI CARNIVAL

DAY 2: Interventional technologies using Rhenium-188 – Liver cancer and restenosis therapy

08.00 am - 10:00 am generator and wet chemistry demonstrations

LIVER CANCER AND Re-188 Lipiodol 10:00 am - 01:15 pm

CHAIR PERSONS: DR. RICHARD BAUM, DR. SHARATH PUTTA

Vivekanandan Shanmugham: Liver cancer: clinical treatment algorithms (10:00 am - 10:20 am)

Mathew Cherian: Basics of interventional radiology treatment of HCC (TACE and TARE) (10:20 am - 10:45 am)

Harvey Turner: Radioconjugate options for TARE and their comparison. (10:45 am - 11:05 am)

Patricia Bernal: Initial human studies with Re Lipiodol (11:05 am - 11:25 pm)

Arun Malhotra: The AIIMS experience (11:25 am to 11:40 am)

CHAIR PERSONS: DR. FELIX SUNDARAM, DR. SZE TING LEE

Eric Cruz: Trans-arterial 188Re-HDD-Lipiodol Therapy for Inoperable Liver Malignancy: Initial Philippine Experience (11:40 am - 12:00 Noon)

Jeong: AHDD kit for liver cancer Rx (12:00 Noon - 12:20 pm)

Knut Liepe: Re-188 Microspheres experience (12:20 pm - 12:45 pm)

Lepareur: Re Lipiodol SSS radiochemistry bio-distribution and pharmaco - kinetics and clinical results (12:45 pm - 01:10 pm)

Dr. Ajit Shinto: Summing up and WARMTH Rhenium project (01:10 pm - 01:20 pm)



01:20 pm - 02:30 pm LUNCH

BRACHYTHERAPY AND RESEARCH SESSION : 02:30 pm - 05:30 pm

CHAIR PERSONS: DR.EMERITA B, DR.RICHARD BAUM

Joachim Kropp: Endovascular brachytherapy - coronary and peripheral (02:30 pm - 03:20 pm)

Research Paper presentations (03:20 pm - 05:30 pm) Each 12 mins

1. **Pedro:** Characterization of Re-188 emissions for SPECT quantification in radionuclide therapy
2. **Anupam:** **A novel 188Re analogue of 131I-mIBG with affinity for Nor-epinephrine transporter (NET)**
3. **Aswathi K:** In vivo dosimetry with various Re 188 Lipiodol agents
4. **Pedro:** Accuracy of quantitative Re-188 imaging using a small animal SPECT/CT
5. **Rakhee:** Re-188 labeled stannous chloride particles for radiation synovectomy: In-house preparation
6. **Sudipta:** Is 90Y an alternative to 188Re in Indian Context? A Comparative Feasibility Assessment
7. **Indira U:** Preparation/QC of Re 188 Sn colloids and V-DMSA
8. **Radhakrishnan ER:** Preparation/QC of Re 188 Sn V-DMSA
9. **Tatiana:** The first data of absorbed doses of 188Re-Zoledronic acid in humans with bone metastases
10. **Priya Bhusari:** Preparation and quality control of Re-188-EDTMP for bone pain palliation
11. **Bagher Aziz:** Improvement of the Rhenium Radiopharmaceuticals in IRAN
12. **Rubel C:** **Studies on reproducibility of post elution concentration of 188Re using single DEAE cellulose anion exchanger column**
13. **Aswathi:** Freeze dried HEDP (1-HYDROXYETHANE 1, 1-DIPHOSPHONIC ACID) kit for the preparation of 188Re-HEDP: In house development and clinical evaluation

FORMAL BANQUET: With WARMTH, IAEA and THE GET PADHIED orations.



DAY3: Key clinical applications using rhenium-188 radiopharmaceuticals

DEMO LABELLING OF RSV,HEDP,AHDD,SSS AND NITRIDO 08:00 am - 10:00 am

SYNOVECTOMY AND SKIN THERAPY 10:00 am - 12:45 pm

CHAIR PERSONS: DR.RICHARD BAUM, DR.MRA PILLAI

Knut Liepe: Comparison with other agents for synovectomy and clinical experience (10:00 am - 10:40 am)

Shamim: Re188 colloid in Radiosynovectomy AIIMS (10:40 am - 11:00 am)

Stepchenkov: Re-188 generators produced at SSC RF - IPPE for radioisotope therapy (11:00 am - 11:25 am)

Arun Malhotra: Re-188 radio labelled skin patch for treatment of BCC(Basal Cell Ca) (11:25 am - 11:45 am)

Priya: Overview of Re based radiopharmaceutical work at PGIMER (11:45 am - 12:10 pm)

Chris Adams: Re-188 P-2045 based therapy for lung cancers (12:10 pm - 12:40 pm)

12:45 pm - 01:45 pm LUNCH

BONE PAIN PALLIATION THERAPY

CHAIR PERSONS: DR.SACHDEVA, DR.PANKAJ DOUGALL

Knut Liepe: Comparison with other agents for pain palliation (01:45 pm - 02:10 pm)

Rogier Lange: Development of GMP grade Re-188-HEDP and clinical benefit for treatment of bone metastases (02:10 pm - 02:35 pm)

Liu Xing Dang: Rhenium-188-HEDP in the palliative treatment of bone metastases (02:35 pm - 03:00 pm)

Tatiana: Re-188 Zoledronic acid therapy (03:00 pm - 03:25 pm)

Suresh Srivastava: Closing remarks and Introducing Tin-117m for Conversion Electron Therapy of Liver Cancer (03:25 pm - 03:55 pm)

CLOSING CEREMONY 04:00 pm - 04:15 pm
