

Regional Training Course on Targeted Radionuclide Therapy
UT MD Anderson Cancer Center, Houston, TX, USA, November 2016

Day/ Time	Monday October 31	Tuesday Nov.1	Wednesday Nov. 2	Thursday Nov.3	Friday Nov. 4	Saturday Nov. 5
8:30 - 9: 30	Welcome (Macapinlac) General instructions (Aguirre)	Overview of lymphoma. Current management, new therapies and guidelines (Dr. Loretta Nastoupil)	Overview thyroid cancer. Current management, new therapies, new guidelines. (Dr. Camilo Jimenez)	Clinical management of patients with neuroendocrine tumors. (Dr. James Yao)	Prostate Cancer - Areas of unmet need, standard approaches and how imaging can change them (Dr. Brian Chapin)	PRACTICUM Starts at 8 am 8:00 – 9 00 AM
9:30 – 10:30	Setting up a Radionuclide Therapy Unit (Carrasquillo)	Evaluation of response to therapy with special focus on lymphoma with FDG PET/CT.(Hubert Chuang)	Overview of Imaging of thyroid cancer: SPECT/CT and PET/CT. (M.Stokkel)	68Ga DOTA peptides PET/CT imaging of NET tumors. Comparison with other imaging modalities. (M.Stokkel)	68Ga PMSA ligand PET/CT imaging in prostate cancer (M.Stokkel)	PRACTICUM Starts at 8 am 9:00 – 10 00 AM
10:30-10:45	Coffee/Tea Break					
10:45 -11:15	Radioimmunotherapy of Human Tumours. Dr. J Carrasquillo	Radiolabelled MoAb for the treatment of NHL (Zevalin). Dr. Aaron Jessop	RAI therapy of thyroid cancer and re treatment of non iodine avid thyroid cancer (Dr. Elmer Santos)	117-Lu DOTA peptide for treatment of NET. Patient selection criteria, treatment protocol, dose calculation, patient preparation (M.Stokkel)	Radiolabelled PSMA ligands for the treatment of prostate cancer. (M.Stokkel)	PRACTICUM Starts at 8 am 10:00 – 11 00 AM
11:15 -11:45	QUANUM Nunez					
11:45-1:00	Lunch Break					
1:00-2:00	NM therapy and dosimetry (physics perspective) ERWIN.	MoAb, peptides, affibodies and aptamers for TRT of solid and liquid tumors. Dr. Gregory Ravizzini	131-I therapy for the treatment of benign thyroid disease. (Dr. Elmer Santos)	90-Y Radioembolization of liver tumours (primary and metastatic) Beth Chasen	223Ra dichloride for treatment of skeletal metastases. (Homer Macapinlac)	
2:00 - 3:00	Radiation safety JIMENEZ.	Radiopharmacy: An Overview of the Practice for Therapy. Dr. Dao Le	TRT of pediatric malignancies w/ I-131 MIBG (neuroblastoma) Dr. Aaron Jessop	Rh-188 Radioembolization of liver tumours (primary and metastatic) Knut Liepe	Radiosinovectomy (Knut Liepe)	
3:00-3:15	Coffee/Tea Break					
3:15-4:00	Patient release consideration WENDT	Advances and quantification in PET/CT MAWLAWI.	Activities of the IAEA in Nuclear Medicine (Núñez)	Rh-188 Radioembolization of liver tumours (primary and metastatic) Knut Liepe	Sr-89 , Sm 153, Rh-188 therapy for palliation of painful bone metastases (Dr. Knut Liepe)	
4:00-5:00		NM therapy and dosimetry. M.Stokkel	Advances and Quantification in NM systems GRESS	Accreditation for PET/CT systems PAN	Accreditation for NM systems KAPPADATH Hospital Tour 5 m- 6 pm	

PROPOSED LABS OR DEMOS

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| 1. Treatment Planning (Y-90 example and practical considerations) | GRESS |
| 2. Dosimetry Lab | ERWIN |
| 3. Accreditation for NM systems | KAPPADATH |
| 4. Accreditation of PET Systems | PAN |
| 5. Practical Patient release considerations | WENDT |
| 6. Site visit to Clinics | MAWLAWI |

MDACC physicians:

James Yao (Chair GI Oncology) - jyao@mdanderson.org
Camilo Jimenez (Assoc. Prof. Endocrine Neoplasia) - cjimenez@mdanderson.org
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Aaron Jessop (Asst. Prof. Nuclear Medicine) - ajessop@mdanderson.org
Gregory Ravizzini (Asst. Prof. Nuclear Medicine) - gravizzini@mdanderson.org
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Homer A. Macapinlac (Chair Nuclear Medicine) – hmacapinlac@mdanderson.org
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MDACC Physicists

William Erwin (Senior Medical Physicist – NM physics) –werwin@mdanderson.org
Dustin Gress (Senior Medical Physicist – NM Physics) – dgress@mdanderson.org
Cheenu Kappadath (Assoc. Prof. Imaging Physics) – skappadath@mdanderson.org
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Richard Wendt (Prof. Imaging Physics) – rwendt@mdanderson.org
Sandra Jimenez (Radiation Safety Officer) - SMJimene@mdanderson.org

Invited physicians:

Dr. Rodolfo Núñez Miller (IAEA).
Dr. Marcel Stokkel (NKI)
Dr. Knut Liepe (Klinikum Frankfurt- Oder)
Dr. Jorge Carrasquillo - carrasj1@mskcc.org

LAB SCHEDULE 4 for three groups of 8 at a time

Time	Lab 1	Lab 2	Lab 3	Lab 4	Lab 5	Lab 6
8:30 - 9:30	Group 1	Group 2	Group 3			
9:40 – 10:40	Group 2	Group 3	Group 1			
10:50 – 11:50	Group 3	Group 1	Group 2			
12:00 – 1:00	LUNCH					
1:00 – 2:00				Group 1	Group 2	Group 3
2:10 – 3:10				Group 2	Group 3	Group 1
3:20- 4:20				Group 3	Group 1	Group 2