

## DEPARTMENT OF PHYSICS

**Title** : Nuclear Medicine

**Date** : 18.8.2016

**Resource Person** : Dr. K. Muthuvelu, Prof and Head, Department of Radiology Physics and Chief Medical Physicist, Barnard Institute of Radiology and Oncology, Rajiv Gandhi Government General Hospital, Madras Medical College, Chennai

**No. of Participants** : 97

**Focus on** : Entrepreneurship & Skill Development

**Outcome** : Students learnt the basic principles of Single photon emission computed tomography (SPECT) and positron emission tomography (PET) scans which are the two most common imaging modalities in nuclear medicine.

### **Report:**

The Department of Physics organised a guest lecture on “Nuclear Medicine“ on 18.08.2016. It was delivered by **Dr. K. Muthuvelu, PROF and Head, Department of Radiology Physics, and Chief Medical Physicist, Barnard Institute of Radiology and Oncology, Rajiv Gandhi Government General Hospital, Madras Medical College, Chennai.** He introduced the concept of Nuclear medicine as a medical specialty involving the application of radioactive substances in the diagnosis and treatment of disease. Nuclear medicine imaging, in a sense, is "radiology done inside out" or "endoradiology" because it records radiation emitting from within the body rather than radiation that is generated by external sources like X-rays. In addition, he also threw light on how nuclear medicine scans differ from radiology, as the emphasis is not on imaging anatomy, but on the function. For such reason, it is called a physiological imaging modality.

He explained the basic principles of Single photon emission computed tomography (SPECT) and positron emission tomography (PET) scans which are the two most common imaging modalities in nuclear medicine.

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**DEPARTMENT OF PHYSICS  
ORGANIZES A  
GUEST LECTURE**

**By**

***Dr. K. Muthuvelu***

*Prof and Head, Department Of Radiology Physics, and Chief  
Medical Physicist  
Barnard Institute of Radiology and Oncology  
Rajiv Gandhi Government General Hospital  
Madras Medical College  
Chennai- 600 003*

**On**

***"NUCLEAR MEDICINE"***

**Date: 18.08.2016**

**Time: 8.30am**

**Venue: San Jose Seminar Hall**

## PHOTOS



## LIST OF PARTICIPANTS

S.No	Reg.No	Name
1	2015P01	ABIRAMI A
2	2015P02	ALAGU PRIYA E
3	2015P03	ANITTA A
4	2015P04	AROCKIA SHEELA J
5	2015P05	ARUL SELVA RUBY S
6	2015P06	BALA SUGANYA K
7	2015P07	BALAMANI N
8	2015P08	BANU K
9	2015P09	BRINDHA R
10	2015P10	DEVAKI R
11	2015P11	DONY DHANYA X
12	2015P12	DURGADEVI S
13	2015P13	GRACE MARTINA L
14	2015P14	HELAN CYNTHIYA S
15	2015P15	IRUDHAYA RANJANI A
16	2015P16	JENITA G
17	2015P17	JENITTA SELVI J
18	2015P18	JOSEPHINE B
19	2015P19	JOSEPHINE MEDONA G
20	2015P20	KARTHIGAI SELVI P

21	2015P21	KIRUBA M
22	2015P22	LAVANYA R
23	2015P23	MADHUMATI K
24	2015P24	MANIMALA B
25	2015P25	MANOBALA T
26	2015P26	MARIAALPHONSE A
27	2015P27	MARIA GRACY A
28	2015P28	MATHU MATHI M
29	2015P29	NITHIYARASI T
30	2015P30	NIVETHA M
31	2015P31	NIVETHA T
32	2015P32	PANIMAYA SALETHAMMAL C
33	2015P33	PARKAVI T
34	2015P34	PAVITHRA M
35	2015P35	PAVITHRA P
36	2015P36	PAVITHRA S
37	2015P37	PRATHIBA A
38	2015P38	PRISCILLA PAULIN S
39	2015P39	PRIYANKA R
40	2015P40	RADHIKA D
41	2015P41	RAJALAKSHMI K
42	2015P42	REJINA K
43	2015P43	ROHINI M
44	2015P44	ROSHAN THASNEEM A
45	2015P45	SAHANA S
46	2015P46	SAVARI VENCISHEEBA A
47	2015P47	SHALINIPRIYA M
48	2015P48	SHARMILA P
49	2015P49	SHOBIKA B
50	2014P01	SUGANYA T
51	2014P02	SUGIRTHAJ
52	2014P03	SUMATHI S
53	2014P04	TAMILMANI M
54	2014P05	AAFRIN HAZAANA S
55	2014P06	AARTHY S
56	2014P07	ALINAMARY S
57	2014P08	ANITHA R
58	2014P09	ANNIE JOSEPHINE R
59	2014P10	ARUL CINCIYA C
60	2014P11	ARUL PRINCILA F
61	2014P12	BHAVITHRA SRI C
62	2014P13	BRINDHA S
63	2014P14	BUVANESWARI B
64	2014P15	CATHERINE CHITRA A
65	2014P16	DELMA KIRUBA PRINCY S

66	2014P17	DIANA VINNARASI S
67	2014P18	FRANCIS REGINA G M
68	2014P19	GOKILA M
69	2014P20	JERINA
70	2014P21	JOANA PREETHI A
71	2014P22	KALAI NILA K
72	2014P23	KALAIVANI T
73	2014P24	KALPANA M
74	2014P25	KAMATCHI P
75	2014P26	KARTHIKA M
76	2014P27	KARUNYA K
77	2014P28	KRISHNA DEVI K
78	2014P29	LALITHA A
79	2014P30	MALINI V
80	2014P31	MEENAKSHI P
81	2014P32	MEERA NAACHIYAR R
82	2014P33	MUTHU KRISHNAVENI M
83	2014P34	NANCY DIANA B
84	2014P35	NANDHINI S
85	2014P36	NASRINE BANU M
86	2014P37	NAZREEN NISHA M
87	2014P38	NEENITA INFANTAJ
88	2014P39	PAVITHRA K
89	2014P40	PRAVEENA M
90	2014P41	RAJESWARI V
91	2014P42	RAMYA K
92	2014P43	RUPADHARSHINI N
93	2014P44	SANGEETHAPRIYA CI
94	2014P45	SANTHIYA LAKSHMI S
95	2014P46	SELVAMUTHUMARI K
96	2014P47	SHAKINA AFRIN M
97	2014P48	SHARMILI T