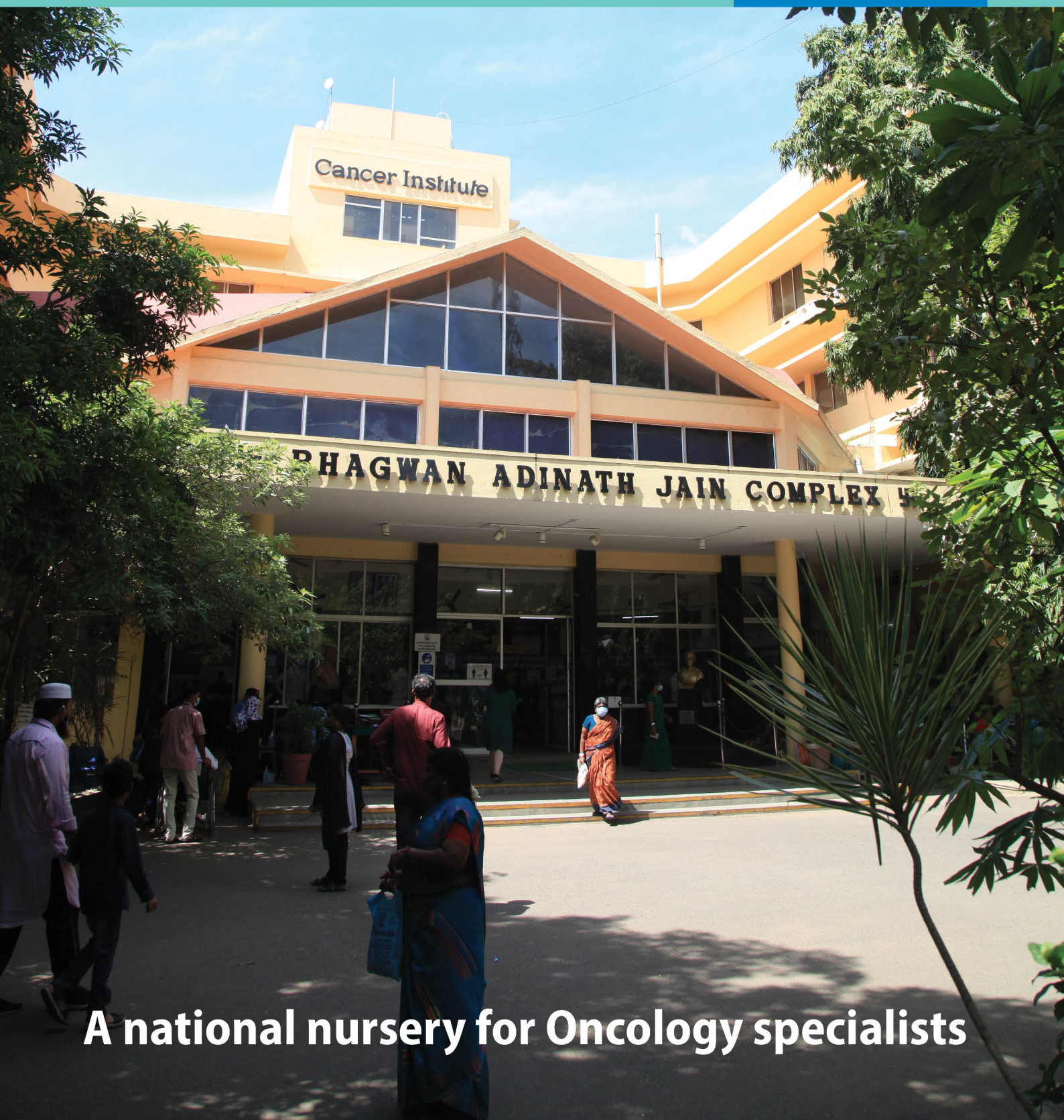




CANCER INSTITUTE(WIA)

Oct 2022
NEWSLETTER



A national nursery for Oncology specialists

A NATIONAL NURSERY FOR ONCOLOGY SPECIALISTS

Cancer Institute (WIA) came into being in 1954, just seven years after India won her independence. The next two decades were the period when the basic infrastructure had to be built: the diagnostic departments, the beds, the systems. Yet, early enough, Dr S Krishnamurthi, then Advisor, and Dr V Shanta, Director, had realized the need for continuous flow of knowledge, its constant updating and developing the human resources. "Cancer is not a single disease but has over hundred entities in its list. Hence comprehensive cancer care, and the need for super speciality medical and surgical oncology", emphasises Dr T G Sagar, Director (Emeritus), who has been in charge of the College of Oncological Sciences at Cancer Institute (WIA) till 2022. The fight against cancer involves combining surgery, radiotherapy and chemotherapy - like the Army, Air Force and the Navy joining forces to fight the enemy.

American Society of Clinical Oncology (ASCO) in America and European Society of Medical Oncology (ESMO) in Europe were the pioneers in this field. ASCO established degree in clinical oncology in 1972 and the European counterpart in 1975. They call the disciplines sub specialities; In India, they are called super specialities. Dr Krishnamurthi wrote to the Medical Council of India (MCI) in 1973 seeking permission to start DM Medical oncology and MCh surgical oncology. Over 10 years passed and nothing

was heard of it. The group that held power had experts in radiotherapy. "What is the need for other oncology specialities when age-old radiotherapy exists", was their specious question, little realizing it is only one mode of treatment. However, thanks to the kind intervention of a prominent personality who was a sympathizer of the Institute, MCI had to give nod to the proposal.

Madras University also had some hesitation in recognising the proposed courses. It considered Cancer Institute (WIA) too small an institution when there was the Madras Medical College (MMC), with its pre-eminence and size. Shouldn't MMC be the centre for cancer studies? A fervent appeal to the Late chief minister Sri M Karunanidhi who saw reason in the appeal and got it approved in the Madras University senate. This was followed by the visit of then Vice chancellor of Madras University, who was satisfied with the facilities available for starting the courses. They became operational in 1984, with 2 seats for MCh and 3 seats for DM.

A small advertisement in the Hindu in a few column centimeters drew over 100 applications for MCh and 25 plus for DM. The qualification sought was MS in General Surgery or Orthopaedics or ENT. "The surgical branch was very popular because there was high employment opportunities. Medical Oncology was then a small field. The discovery of drugs in large scale was yet to happen. DM in medicine also



Dr T G Sagar, Director (Emeritus)

requires institutional support to practice. By then many multi-speciality hospitals had started offering cancer treatment", remembers Dr Sagar, the first Doctor to be admitted for DM. Dr Sagar had joined Cancer Institute (WIA) in 1976.

Ever so gradually the number of seats offered by Cancer Institute (WIA) increased. In 1992, MD in radiotherapy was started. Diploma course in radiotherapy, DMRT, had preceded it by a few years.

Of the pioneers in the field of cancer



Course	Qualified till May 2022
D.M. Medical Oncology	123
M.Ch. Surgical Oncology	113
D.M.R.T.	41
M.D. Radiation Oncology	66
P.D.F. Oncopathology	12
CCEPC	150
Total	505



care, namely, Cancer Institute (WIA), Kidwai Memorial Institute at Bangalore, Gujarat Cancer Research Institute at Ahmedabad, All India Institute of Medical Sciences at Delhi and Tata Memorial Hospital at Bombay, Cancer Institute (WIA) was the first to start oncology super specialities training.

Dr. Krishnamurthi believed that education should be free hence we were the only institution not charging any tuition fee.

However, to comply with the stipend rules for post graduates, a moderate tuition fee is being charged since last year.

Para Medical Education

Cancer Institute (WIA) offers a wide variety of courses and disciplines in para medical education.

•M.Sc. in Medical Physics (started in 1991, the first such course in South Asia), Radiotherapy Technology

•B.Sc. in Radiotherapy Technology, Radiography & Imaging Technology, Nuclear Medicine Technology and Operation Theatre & Anaesthesia Technology

•M.Phil. in Psycho Oncology. Certificate course on tobacco cessation for health professionals are periodically conducted by the department of Psycho Oncology.

The number of alumni stands at 854.

Research

In 1965, Cancer Institute (WIA) received

recognition for Ph.D. in Oncology awarded by University of Madras. A total of 110 PhDs/DSc have been awarded so far, in Oncology, Medical Physics and Molecular Oncology.

Impact

Dr Sagar cites Dr Krishnamurthi's book titled "Five decades of Cancer Institute(WIA)". One of the chapters is called, "The eagle spreads its wings", dealing with the expansion of academics, alluding to the planned dispersal of expertise. "The alumni passing out and taking on influential positions as professors and directors in the medical field was equivalent to the borders of Cancer Institute

Milestones

- 1984.** Dr.Muthulakshmi College of Oncologic Sciences established in March 1984, the first such college in the country to offer super speciality training in Medical and Surgical Oncology
- 1984.** Affiliated to the University of Madras. Since 1990, affiliation transferred to Tamil Nadu Dr.M.G.R.Medical University.
- 1990.** Broad speciality training in Radiotherapy started
- 2011.** The college was renamed as Regional Centre for Cancer Research and Treatment
- 2015.** Post-Doctoral Fellowship (PDF) in Oncopathology affiliated to The Tamil Nadu Dr.M.G.R.Medical University started. Approval for starting D.M. Oncopathology is awaited.
- 2016.** Accredited by the Indian Association of Palliative Care (IAPC) to conduct the Certificate Course in Essentials of Palliative Care (CCEPC), a basic course in Palliative Care for Doctors and Nurses.
- 2022.** Diplomate National Board (DNB) Palliative Medicine accreditation obtained. The first batch is expected to commence from October 2022.

expanding”, explains Dr Sagar. The Cancer Institute (WIA) has produced over 100 medical oncologists. Among them are two Padma Shree awardees and at least one Dr BC Roy awardee. Another alumni, Dr Rajkumar did his PhD in UK and returned to his alma mater, where he developed Molecular Oncology, which has since then been recognised as a Centre of Excellence by the Department of Science and Technology.



Dr D B Satheesan

Director of Malabar Cancer Centre, Kannur, Kerala.

Dr B Satheesan underwent his MCh Surgical Oncology training from 2001-2004

“A destitute or someone who has no one to support is the VIP in Cancer Institute. No such patient will be denied treatment for want of a carer. Myself and EC will be their relative and bystander”- a roar from Advisor in tumour board loudly and vividly echoed the ethos of Cancer Institute. An unforgettable guide to most of us”.

EC in this sentence refers to Executive Chairman, Dr V Shanta (that’s how she used to be addressed till she became the Chairman)
Advisor here refers to Dr Krishnamurthi

Dr Sagar, who retired recently served the organisation for a total of 46 years, of which 36 years after his education. “I like serving. I enjoyed my work. My family is from Chennai. Dr Krishnamurthi and Dr Shanta tutored me. The way they lived, dedicating their life, was a model. I simply continued in their footsteps”.

Ambassadors

“Along with our patients, our alumni are the ambassadors of Cancer Institute (WIA), all over India and also in many cancer centres in UK, USA, Australia and Middle East”, says Dr Shirley, Dean. As she notes, the Cancer Institute (WIA) was in an advantageous position to create the curriculum because it was developed based on the existing in-house, evidence-based management of cancers. There is an attitude built over the years. Dr Krishnamurthi used to say, “Any patient who walks in is God in disguise”. Patients are the final validators of the quality of the institute and its medical professionals. Each patient is also a living book who teaches and this is of immense value to a research institute.

“The alumni carry with them, Cancer Institute’s unique ethical and egalitarian approach to patients. They carry with them the standard, comprehensive multimodal therapy approach which cures, prolongs survival and improves quality of life



Dr Shirley, Dean

of cancer patients. Cancer Institute (WIA) is like a banyan tree, perpetually growing and spreading its roots and branches”, notes Dr Shirley.

Understandably, as Dr Shirley points out, “our faculty are widely recognized as authorities in their areas of expertise and frequently give guest lectures in national and international conferences. Most of the faculty are involved in research activities and regularly publish articles in high impact medical journals. Our post graduate students actively participate through poster/ oral presentations at national and international conferences and bring laurels to the Institute”.



Three alumni who did their radiotherapy course at Cancer Institute (WIA) share their thoughts on why they continue to work in their alma mater

S Arulprakash

S Arulprakash has a close relationship with Cancer Institute. His father was Dr Shanta's attender, Mr. Sarangan. After his BSc Biochemistry, Arulprakash came for an interview at the Biochemistry department and then was told that MSc was the required qualification. Dr Shanta then told him to do the two year Radiotherapy course.

There is more to radiotherapy than machines, according to Arulprakash. He has to prepare the patients who come with a lot of fear at the gigantic machine. "It is our responsibility to explain and to put them at ease. So we compare it with an X-ray machine and then they relax".

Arulprakash lives a couple of kilometers off Cancer Institute (WIA), thanks to his father's employment. He considers himself fortunate to have got a job he likes, where he can follow in the footsteps of his service-minded father and serve fellow humans.

Arulprakash's wife Mohanapriya is an MBA. She is a housewife, taking care of their two children. I can get a much better paying job outside but no I am not. Money won't give me this satisfaction. My father had taught me

to serve patients. That is why I am here", he signs off.

P Athimathi

P Athimathi joined Cancer Institute (WIA) as Assistant Nurse multipurpose in 2002. "Then Dr Selvaluxmy, Director, guided me to take up Radiotherapy Technology course". Training over, she was appointed in Radiotherapy.

"The hospital gives the best treatment to the patients. I must also give my best", she avers. "Though I know there are government jobs paying much better, I haven't even picked up an application form. I am very happy with the duty time, no shift duty, 42 days leave and the working conditions". Sundays are off day - time to visit nearby temples, shop dresses for the family. Once in a while they go to the beach with friends.

Athimathi's husband R Kannan does business in teak wood in native place, Chidambaram. Athimathi lives in nurses quarters. "I have been here for 20 years. I am very happy here. From my starting salary of Rs 1, 200, my salary has multiplied many times. I am indebted to the Cancer Institute for taking good care of me. This is a lifetime relationship. I will retire here".

N Ponni

In 2002, after she had finished her 12th, Ponni saw an advertisement and applied for the Radiotherapy course. Hailing from Puthupattu village, Kanchipuram her first visit to Chennai was a new experience. She had 873 marks in the 12th. She had persuaded her classmate Poongodi, with 929 marks, to apply. They were among the 5 selected from 25 candidates.

When she came for the interview she had very little money with her. There she met Lakshmi, also a candidate. Lakshmi's father seemed to have done his research. He told them that at Avvai Home, accommodation was available. Ponni hadn't brought any money. Ponni still cannot get over the fact that Lakshmi's father whom she was seeing for the first time, paid Rs 650 for her stay in Aavai Home.

Lakshmi, along with Ponni and Poongodi studied together for two years. The three continue to be close friends. Classes consisted of theory from 7:30 am for 1 hour, then practical training. Post the course, in 2004, she joined as RT technician with a salary of Rs 4,000. The next year her parents got her married to Natarajan, an auto driver residing at Tambaram.

Ponni has great pride in her work. "Look at the number of patients we treat here! Patients come, bless us and go. My job is neat, with no physical effort. But full mental concentration is required, because we are dealing with powerful technology. Any extra dose cannot be corrected. So we have to be fully attentive". Ponni has learned to keep her thoughts about her home and the hospital separately, without one leaking into the other compartment.

She is happy about her work. Her two school-going children manage without her. She has friends here and the doctors are open and respect other employees.



Padmashri Dr. M.R.Rajagopal delivers Dr. S. Krishnamurthi Memorial Oration



Padmashri Dr. M.R.Rajagopal delivers the oration



(From L to R): Dr Kalpana Balakrishnan, Associate Director, Cancer Institute(WIA), Dr G Selvaluxmy, Director, Cancer Institute (WIA), Dr.Sudha Seshayyan, Vice Chancellor, Tamilnadu Dr MGR Medical University, Dr Rajagopal, Founder Chairman, Pallium India. Dr Hemanth Raj E, Executive Vice Chairman, Cancer Institute (WIA) and Dr Aswath Narayanan, Registrar, Tamilnadu Dr MGR Medical University.

Padmashri Dr. M.R.Rajagopal, Founder and Chairman of Pallium India, Kerala delivered the oration titled, "Care, Compassion, Dignity: Integration of Palliative Care into Cancer Care".

Since 2010, 12 Memorial Orations have been delivered by eminent speakers. From 2020, the centenary year of Dr. S. Krishnamurthi, this is the third year the oration has been organised under the auspices of the Tamil Nadu Dr. M.G.R. Medical University, Chennai along with Cancer Institute (WIA).

Dr. Sudha Seshayyan Vice Chancellor, Tamil Nadu Dr. M.G.R. Medical University, welcomed the gathering and presented the memorial oration award. Dr. Rajagopal

began his oration by quoting Dr S Krishnamurthi, "Start where I ended and progress to reach greater heights."

He also recalled the words of Dr V Shanta: "What we have done is very little. There is much more to do."

Dr Rajagopal stressed the need to mitigate suffering, to cure sometimes, to relieve often and to comfort always. He pointed that there is no access to pain relief/palliative care to over 80% of global population, nor appropriate care at end of life. Community participation has many advantages such as increased adherence to treatment, balanced prevention, promotion, cure, rehabilitation & palliation, as also attention to psychosocial

issues. However, the challenges are closed doors of healthcare institutions, and vested interests - personal, religious, political etc. - of participants.

Dr Rajagopal highlighted the integration of palliative care into healthcare across the continuum of care from onset till cure/death, an initiative by WHO that has made many advances in palliative care. Every doctor, every nurse and healthcare worker must treat pain, other symptoms and psychosocial suffering along with diagnosis and treatment of diseases. Dr Rajagopal noted that Palliative Care is now a part of Medical/Nursing education and it is included in MBBS curriculum since 2019.

Prize winners

The 37th annual conference of the Association of Radiation Oncologists of India (AROI) - TN PY 2022 brought accolades to the institute: Dr. M. Jagadeesan Award for Best paper presentation was conferred on Dr. Mounageetha, final year MD-RT and the Best poster award was bagged by Dr. Aravind Natarajan, 1 year MD-RT.

Dr Aishwarya Ramkrishnan, Asst professor in Department of Anaesthesia Pain and Palliative care, secured second prize in Oral paper presentation in the 4th Annual Conference of Society of Onco-Anaesthesiology and Peri-operative Care 2022 held at Tata Memorial Hospital from 26 to 28th August 2022. Topic of her presentation was "opioid free anaesthesia".

Madhanagopal and D Ezhil of Molecular Epidemiology lab won the Best E-poster award along with a medal having competed with more than 200 entries in an International Conference on Current Trends in Biomedical Research ICTBR 2K22 held in Saveetha Dental College and Hospitals, Chennai on September 30, 2022. The title of the poster is Oral Human Papillomavirus Infection in Healthy Individuals - A Molecular Epidemiological Study.

OASYS 2022- a dream come true



Dignitaries on the dais (from L to R): Dr. Mary Thomas, Dr. Murugan, Dr. Hemanth Raj, Dr. Stalin Vinayagam and Dr. Kalpana Balakrishnan,

The Department of Anesthesia conducted the first Onco anaesthesia Symposium and Synopsis (OASYS) on the 24th of September 2022 at the Auditorium in Dr.S.Krishnamurthi Campus at Cancer Institute(WIA),Chennai.. The word Onco anaesthesia was termed to indicate anaesthesia for cancer surgery which is tailored to each patient and to each surgery. Onco-anaesthesia has become an up-coming subspecialty since the association of type of anaesthesia with cancer metastasis was described a decade back.

This CME was the brain child of the Department of Anesthesia which has nurtured this dream for several years. The symposium was aimed to conglomerate anaesthetists who are doyens in onco anaesthesia across southern India and to discuss further on the anaesthetic management of a cancer patient scheduled for a surgery.

The program commenced at 9.30 am with a formal inaugural function. The guest of honour for the event was Dr. Hemanth Raj, Executive Vice Chairman, Cancer Institute and other dignitaries on the dais were

Dr. Kalpana Balakrishnan (Associate Director and HOD Anesthesia , Cancer Institute (WIA)), Dr.Murugan (HOD ,Anesthesia, Kilpauk Medical College), Dr. Mary Thomas (Additional Professor, Anesthesia, Regional Cancer Centre Trivandrum), Dr. Stalin Vinayagam (Additional Professor, Anesthesia, JIPMER) .

The symposium was structured around several scientific sessions parallelly discussing the management of a cancer patient followed by the

panel discussion of four unique case scenarios, a mindboggling online quiz and a challenging paper presentation. The Tamil Nadu Medical Council granted 2 valuable credit hours to OASYS 2022.

The entire auditorium had filled up with young budding anaesthesiologists and experienced practitioners, with over 94 attendees staying back to finish the programme by 5.30 pm.

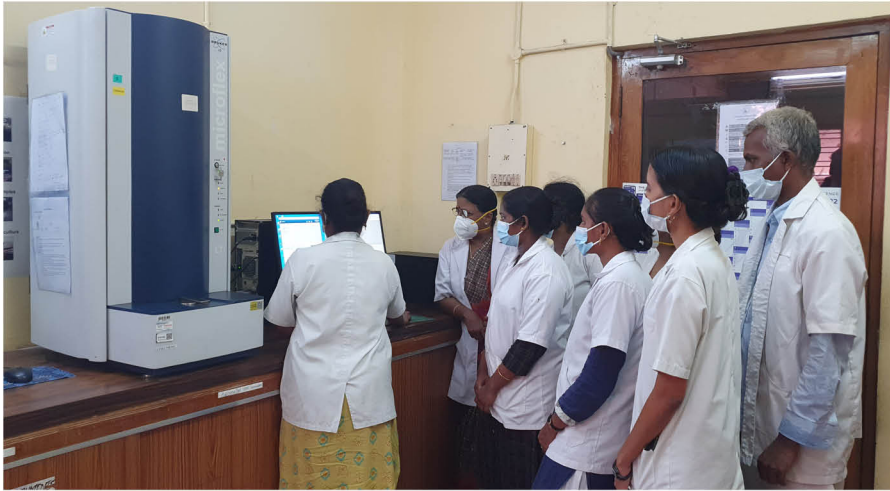


Quiz first prize to Dr. Hemnath

The Jubilant host team



NEW MALDI-TOF SLASHES IDENTIFICATION TIME OF ORGANISMS FROM 24 HOURS TO ½ HOUR OF GROWTH



Cancer Institute (WIA) has added MALDI-TOF, representing the latest in Microbiology diagnostics, which offers rapid information on bacteria, fungus & mycobacteria, reducing loss of time in therapeutic decisions. Cancer Institute (WIA) has become the first charitable Non-Profit institution in the country to have this state-of-the-art technology.

The pace of diagnostic processes in clinical microbiology laboratories has largely been unchanged for almost 100 years, as availability of diagnostic results essentially depended on the growth of bacteria. Using traditional approaches, it takes at least 24 hours for obtaining growth from clinical specimens and an additional 24 hours for identifying bacteria, as a consequence, therapeutic decisions are generally made empirically until the identification and sensitivity are ready.

Techniques providing rapid information on bacterial pathogens and their antimicrobial susceptibility are of key importance for the management of infectious diseases patients. The MALDI Biotyper System identifies microorganisms using MALDI-TOF (Matrix-Assisted Laser Desorption / Ionization Time of Flight) mass spectrometry to determine an organism. The introduction of MALDI-TOF into routine diagnostics at Cancer

Institute (WIA) has led to a significant acceleration of highly specific species identification. MALDI-TOF has considerably reduced the Turnaround Time (TAT), hastening diagnostic procedures and empiric antibiotic therapies.



Dr Jayachandran PK,
Medical Oncology

MALDI-TOF is an advanced microbiological diagnostic to identify infective pathogens. In patients with febrile neutropenia, with conventional culture-based identification, only on 30% of occasions we can identify a pathogen. Most of the time,

Currently, using traditional approaches, it usually takes at least 48 hours for identification and susceptibility testing of bacterial pathogens. MALDI-TOF mass spectrometry fingerprinting has now been widely adopted by clinical microbiology laboratories for rapid identification of cultured microorganisms. Compared to other techniques, turnaround times are typically reduced by at least one working day up to several days for slower growing species or isolates that require complex tests for definite identification. Highest impact on TAT and prescription policies is expected for rapid identification from positive blood culture bottles. MALDI-TOF technique is thus suitable to inform clinicians within the critical phase of sepsis, when laboratory reports are known to have highest impact on treatment decisions.

only based on clinical judgment, antibiotics are changed.

With the availability of MALDI-TOF-based identification, we could identify pathogens in more number of samples earlier and give appropriate antibiotics as required. It would reduce the time required to identify the pathogen from 48-72 hours by conventional method down to 12-24 hours as MALDI-TOF identifies within 1/2 hours of colony growth.

This timesaving would be very useful in sick patients especially in hematological malignancies and stem cell transplant patients where initial 24 hours of treatment would be crucial and lifesaving.

It would be very cost-effective, too, allowing us to cut down broad-spectrum antibiotics and give only appropriate antibiotics. Instead of shooting in the dark, this novel method of investigation gives us a light early to target appropriately.

"I've understood the meaning of life, its nothingness"

17-year-old Shaji noticed two white patches on his lower lip. The family doctor blamed it on non-nutritious hostel food. Then one day he fell down from a cycle and developed headache, body pain and fever. A neighborhood doctor saw him pale and suggested blood tests. Low hemoglobin count, further consultations, tests ... and he heard a word he was to hear many many times: Leukaemia.

In 1984, on 26th December, Shaji came to Cancer Institute (WIA), held and supported by two relatives. Dr T G Sagar gave him "a small injection" and asked what the young man's interests were. They chatted about cricket. "There is a small procedure", Dr Sagar told him. Even while chatting, he brought out a stainless steel needle with a syringe and bore through ... and the needle sucked out bone marrow. "It was very painful", remembers Shaji.

The result showed ALL - Acute Lymphoblastic Leukaemia, a type of blood cancer. His relatives were told, "it's a hopeless case", but Dr Shanta came the next day and said, "Admit him quickly". Temperatures stayed in the high 103 - 104 range. He was very weak. Frustration, angry with everybody. Nurses who would come every half hour to check got the brunt of it. "Don't come near me ... don't you have any other work?", he would shout at them in Malayalam, but they took it sportingly. Under chemotherapy treatment, drips lasted 4 days continuously, creating uncontrollable vomiting sensation. Only violent sounds, but no vomit. "I saw my legs had become skeletal and got scared", following weight loss from 50 to 34KG.

Then one day he was taken to the operating theatre. "I saw a group of people in gowns and gloves and hooded ... only their eyes visible. They looked like ghosts to me. They had syringes and somewhere I heard the sound of glass breaking: vials. One attendant came close and asked me to assume the shape of a shrimp and

five of them held me tight and bent my body to get the shrimp curve. That was for Lumbar Puncture, for fluid extraction. It is a painful process". LP was done once a week and at times even more frequently. There were food restrictions, when Shaji was dreaming of Masala Dosa. Fortunately, his aunt in Beasant Nagar would send homemade food 3 times a day.

Not Worried

"I was not worried even then. I knew they were treating me. Yes, I have seen deaths. People in better condition coming and dying but we were happy to trace the improvements. There were daily blood tests. When Dr Shanta looked at the papers and said, "Good, Good", we felt good. She visited every alternate day, would talk to each patient, study each file. She walked, talked and dealt like a professional doctor".

High fevers were frequent. Once Shaji developed high temperature and Dr Maithreyan (who later entered politics) asked him: "What's the next step?" "CP, I replied, meaning penicillin, based on my past experience and Dr Maithreyan was very happy at his patient's medical knowledge".

Discharged after six initial weeks, he returned to his home in Kalpatta and would come once a month for chemotherapy. There were regular prednisolone (PDN) pills to be had, and he soon noticed his face getting puffy.

Meanwhile, the monthly visits became less frequent. The last trip he made was in 1997. All along, so many people he did not even know prayed for him in their prayer groups. Well-wishers sought divine blessings in churches, temples and mosques.

As someone commented, Shaji went to Cancer Institute as Master Shaji and came out as Mister Shaji. He got married in 1998. He insisted that his would-be wife hears his full details.

Shaji remembers Dr Krishnarathnam,

Dr Bapsy and Dr Muthukumaraswami, night duty doctors Siva Kumar and Jayakumar, "all of them kind". He remembers Dr Gangadharan, now one of the most famous oncology specialists in Kerala. Shaji also remembers the kindness of sisters Padmini, Renuka, Lakshmi, and Meera who was particularly dignified and knowledgeable. "99% of the staff was really very helpful. Manimegalai in Admin. was particularly helpful".

Not lost anything

Looking back, says Shaji: "I have



not lost anything in life. I have only gained. I have gained confidence. I understood the full meaning of life, the nothingness of life. I have seen rich people coming and living in luxury and leaving like anyone else. I learned about the unpredictability of life. I am grateful that this experience has only made me strong. Thanks to the grace of God, the excellent medical care at the Cancer Institute and the wholehearted support of my family, relatives and friends, I am what I am today".



2.30 pm on a weekday. Waiting patients at the reception hall. Cancer Institute (WIA) is perpetually grappling with the challenges of need outstripping capacity and demand stretching service capabilities.

Webinar on Palliative care on 8th October, 2022

On 8th October, 2022, World Hospice and Palliative Care Day, a webinar is planned by the Department of Anaesthesia, Pain & Palliative Care of Cancer Institute(WIA).

The online event (9 am to 1 pm) will discuss various aspects of "Managing the dying patients", under the theme of this year, "Healing Hearts & Communities"

The webinar aims at empowering the palliative care teams and family carers to take critical decisions and provide

good symptom relief at the place of their choice.

World Hospice and Palliative Care Day (WHPCD) is a unified day of action to celebrate and support hospice and palliative care around the world. It is held on the second Saturday in October. Thousands of people around the world will be coming together on the 8th of October 2022 to celebrate, but most importantly to speak out about their lived experiences in grief, loss and bereavement.

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On World Hospice and Palliative Care Day

Webinar on MANAGING THE DYING PATIENTS

Monday, 8.10.2022 (9.00 am - 1.00 pm)

Scientific sessions by

Dr. Sushma Batnagar (AIIMS, New Delhi)
Dr. Rajam Iyer (Bhatia and Hinduja Hospital)
Dr. Seema R Rao (Karunashraya, Bangalore)
Dr. Stanley C Macaden (Bangalore Baptist Hospital)
Dr. Roop Gursahani (PD Hinduja National Hospital, Mumbai)
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