

**Seva Mandal Education Society's College of Nursing**



**Smt. Parmeshwari Devi Gordhandas Garodia Educational Complex,  
338, R.A. Kidwai Road, Matunga, Mumbai-400019**

## **ABOUT THE COLLEGE**

### **About Seva Mandal Education Society**

The foundation for Seva Mandal Education Society, was laid in 1957, a premium educational institute which began its first institution for women's education with merely seven students. It has gradually expanded over a period of time, both in terms of the number of students as well as the educational courses offered. The SMES now has student strength of 5,500 women students on campus. It offers a variety of programs ranging from institutional, certificate and diploma programs to Junior Colleges, Undergraduate Degree Programs and Post Graduate degree and Diploma Courses.

### **About the Nursing College**

The Nursing college is affiliated to "Maharashtra University of Health Sciences, Nasik" and recognized by Indian Nursing Council & Maharashtra Nursing Council. The B.Sc. Nursing programme is in collaboration with Smt. S.R. Mehta & Sir Kikabhai Premchand Cardiac Trust. Students are given opportunities to develop their skills & enhance their knowledge in all these hospitals & are posted in other Municipal hospitals as per the requirement of the syllabus. The students are working & supervised by the experienced and expert teachers as well as experienced staff of all the above hospitals.

### **Our Vision**

Empowerment of Women for strong, healthy, cultured, peaceful and joyful world through holistic quality nursing education.

### **Mission**

To impart quality education to women to become independent general practicing nurse and a health leader.

### **Philosophy**

We believe in women empowerment through quality education. Nursing education caters to the ever changing health care needs of the people. We believe that change is the law of nature. Therefore the advancement of the knowledge and quality of nursing education needs to be adaptive to these changes. Since nursing is a unique and vital profession and the purest of pure sciences and the finest of the fine arts and also called as science of 'human engineering' the institution will

strive to develop the students through quality nursing education. We believe that health is the basic right of every individual and health and development are two sides of a coin. The quality of nursing education of this institution will enable our students to protect this right of every individual so that the poorest of poor will be provided with the highest of high quality of health and nursing care irrespective of any caste, creed, culture, religion or status. We believe the thorough preparation and strong determination is a key to success. We believe that 'excellence' in quality is never an accident, it requires special efforts. The institution and its staff will be committed to impart and avail in depth knowledge of the subjects related to health care to its aspirants.

**Purpose:** To create a strong and standardized nursing educational system for developing students into sensitive and benevolent scholars equipped to cater to the changing health care needs of the society and for optimum health promotion and prevention of disease for all age groups.

**Objectives:** At the end of this four years academic programme, the graduates will be groomed to be able to develop a strong system within 'self' and 'society' in order to:

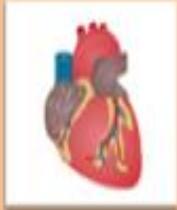
- Assess the health status of individual, family or community and identify their health needs and problems.
- Choose and plan individualized nursing care in order to achieve optimum health to the individual, family and the community.
- Take independent rationalized decisions to implement and evaluate the nursing care for optimum benefit and safety of the patient.
- Assist in the planning and implementation of health promotion and health protection programs at the village, district, state and national level, for all the age groups in the various health care settings.
- Assist in planning and implementing tertiary care at all stages of illnesses.
- Perform intelligently and ethically in all spheres of their personal and professional life.
- Uphold the dignity of the profession and contribute to its progress, in concrete manner through taking initiative in conducting research projects.
- Become lifelong learners, for refining their personality and become self-actualized.
- Develop the qualities, virtues, and attitudes necessary for the practice of this noble profession.
- Treat every human being as possessing a 'royal soul', 'within'.

## COURSES OFFERED

SR.NO	COURSE	DURATION	INTAKE
1.	Basic B.Sc. Nursing	4 years	40 students
2.	Auxillary Nurse Midwife	2 years	40 students
3.	Transplant coordinator certificate course	5 days	Upto 50 candidates

## OUR TEACHING FACULTY





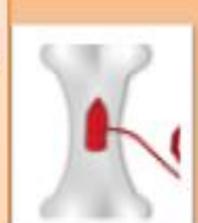
**Seva Mandal Education Society's College Of Nursing and National Deceased Donor Transplantation Network (NNTN)**



**Under the aegis of**



**Directorate of Medical Education and Research (DMER),  
Mumbai**



**TRANSPLANT CO-ORDINATOR**



**CERTIFICATE COURSE**



**YOU CAN HELP SOMEONE LIVE TWICE**



**Venue: Seva Mandal Education Society's College of nursing**

Smt. Parmeshwari Devi Gorðhandas Garodia Educational Complex, 338, R.A. Kidwai Road,  
Matunga, Mumbai-400019

## **ORGANIZING COMMITTEE**



**Prof. Dr. Vatsala D. Trivedi**  
**President- NDTN, Transplant Surgeon**



**Mrs. Anjali Katdare**  
**Principal, SMES College of Nursing**



**Ms. Shilpa A. Shettigar**  
**Vice- principal, SMES College of Nursing**



**Ms. Delphina M. Gurav**  
**Associate Professor, SMES College of Nursing**



**Ms. Namrata A. Kubal**  
**Assistant Professor, SMES College of Nursing**

## CONTENT

<b>SR.NO</b>	<b>TOPIC</b>	<b>PAGE NO.</b>
<b>01</b>	<b>About the college</b>	<b>1-4</b>
<b>02</b>	<b>Organizing committee</b>	<b>5</b>
<b>03</b>	<b>Introduction</b>	<b>7-10</b>
<b>04</b>	<b>Programme schedule</b>	<b>11-14</b>
<b>05</b>	<b>Inaugural ceremony</b>	<b>15-17</b>
<b>06</b>	<b>Proceedings of the Sessions</b>	<b>18-36</b>
<b>07</b>	<b>Valedictory function</b>	<b>37-40</b>
<b>08</b>	<b>Analysis report</b>	<b>41-42</b>

## **ABOUT TRANSPLANT COORDINATOR CERTIFICATE COURSE**

### **INTRODUCTION**

Transplantation medicine is one of the most challenging and complex areas of modern medicine. Organ Donation and Organ Transplants are gradually widening their horizons in the medical industry. However, not much awareness is still found to be awakened in the health care personnel, about the same.

Deceased organ donation and transplantation involves close networking of medical, paramedical and non-medical personnel. Transplant coordinators are at the center of this network. Transplant coordinators can work for organ procurement organizations as donor or procurement transplant coordinators to facilitate the management, donation, and placement of organs for transplantation or for hospitals and transplant centers as recipient transplant coordinators to prepare patients for organ transplant and facilitate the transplant of harvested organs to transplant patients. The success of an organ donation and transplant program depends on good coordination and trained transplant coordinators are the key. Nurses being the primary connection with the public and patients, possessing the basic background of the same would prove to be excellent advocates and caregivers for organ donation and Transplant Coordination.

With this aim, Seva Mandal Education Society's College of Nursing, and National Deceased Donor Transplantation Network (NDTN) under the aegis of Directorate of Medical Education and Research (DMER), Mumbai introduced their first TRANSPLANT COORDINATOR CERTIFICATE COURSE, at Smt. Parmeshwari Devi Gordhandas Garodia Educational Complex, 338, R.A. Kidwai Road, Matunga, Mumbai-400019.



## **FOREWORD FROM THE PIONEER**

End Stage Organ Failure is a devastating condition, which commonly affects young adults, who are the bread winners of the family. This situation leaves the family physically, emotionally, and financially drained. If it affects the lady of the house, the family including the children, get totally disintegrated. The only treatment for the end stage disease of any organ leading to organ failure is to replace the affected organ so that the body can function properly. The procedure of replacing the failed organ is known as Organ Transplantation.

Transplantation medicine is one of the most challenging and complex areas of modern medicine. For transplantation one has to procure the necessary organs. Since organs cannot be manufactured in factories or in laboratories, they have to be procured from the following sources only. They include living donor, animal donor and deceased donor.

It has been proven scientifically that post-transplant quality of life is any day superior than pre transplant. Awareness about organ donation and transplantation has begun. However the pace at which the state of art transplantation surgeries happens in India is still very slow and steady one. India's organ donation rate is one of the lowest in the world. The deceased donor Programme is a feasible, economical, legal and ethical programme. It will effectively reduce the ever increasing gap between the waiting recipient and the donor if properly understood and implemented.

Giving your organs after death is not just about making a donation; it is about making a difference. Do not think that organ donation is giving up a part of you to keep a stranger alive. It is actually a total stranger giving up a large part of them to just keep a part of you alive. In the end one must realize that each one of us is born with the unique ability to change someone's life. We must not waste it.

A successful transplantation is not an individual's task. It is all about team work, coordination that is well planned and executed effectively. Every step from organ donation to organ transplantation is utmost important and crucial. It's a matter of time management and effacious coordination.

People who are a part of the health team can be effective coordinators. The ICU resident doctors and the nurses are the ones who could pick up brain death much faster and save the organs from going wasted. Training this health cadre to identify brain death and act as an advocate and mediator in increasing the organ donations and transplantation is a need of the hour.

Thus this was the calling that inspired the necessity to design a structured training programme, where more and more health care personnel are awakened to widen the scope for transplantation surgeries thereby, helping the needy to re-live life.

**Prof. Dr. Vatsala D. Trivedi**  
**President- NDTN, Transplant Surgeon**



## From the Principal's desk

Transplantation of the human organs from the live, brain dead or the dead human being is a boon to the mankind, when all the aspects revolving around the procedure of transplantation are carefully looked into, in a coordinated fashion. The interdisciplinary team has to work in a very dignified and harmonious manner for its success.

Transplantation of the human organs Act was passed on 9<sup>th</sup> July 1994, by the Government of India and was adopted by the State Government of Maharashtra on 25<sup>th</sup> Feb 1995.

Dr. Pravin Shingare, Director of the Directorate of Medical Education and Research, State Government of Maharashtra facilitated our initiative of the proposal of commencement of the certificate course of five days' duration titled 'Organ Transplant Coordinator' with ease and allowed us to conduct it in collaboration with the State Government. We are grateful to him for his goodwill.

We are fortunate to get an opportunity to start this first unique certificate course of five days' duration titled 'Transplant Coordinator' under the adroit guidance and with the wholehearted support of Prof. Dr. Mrs. Vatsala Trivedi, Course coordinator. A Transplant Surgeon and the President of the National Deceased Organ Transplant Network. It is worthwhile to note that Dr. Vatsala Trivedi is a Transplant Surgeon, who performed the first renal transplant at Sion Hospital in the year .

We are thankful to Dr. Dilip Trivedi and all the members of the executive committee of our institute ,Seva Mandal Education Society, for encouraging us to take up a challenge of a venture to start this course. We are grateful to Dr. Mrs. Shilpa Charankar, the Principal, Dr. B. M. N. college of Home Science , Seva Mandal Education Society, for being instrumental in starting the course.

We are thankful to the experts Mrs. Shilpa A. Shettigar, Mrs. Delphina M. Gurav and Mrs. Namrata A. Kubal for their timely positive response and valuable contribution to prepare a manual on the subject of, 'Transplant Coordinator'.

We are hopeful that our dream i.e. every brain dead person becomes the organ donor leading to save the life of seven people and enhancing the quality of life of forty two people. I am thankful to all the faculty members of the department of nursing of the Seva Mandal Education Society for their untiring efforts to make the course successful.

We are sure that the course will enhance the expertise of the participant health professionals, leading to creation of the awareness about the value of organ donation and transplantation in the society.

Mrs. Anjali Katdare  
Principal,  
Seva Mandal Education Society's College of Nursing,  
Matunga, Mumbai 19

**AIM:**

The delegates are able to work as an organ and tissue transplantation coordinator

**OBJECTIVES:** The delegates will able to

- Explain the concept and trends related to transplant.
- Describe various terminologies in transplant and types of donor.
- Explain concept of brain death
- Describe legal aspects in transplantation.
- Explain various types of organ transplant including its pre requisites, screening, investigations, organ preservation, procedures, care of recipient and donor.
- Explain transplant coordinator and Nurse's role in transplantation.

**Course duration:** 5days

**Admission criteria:** MBBS, MSc Nursing, MSW, P.B.Sc Nursing, B.B.Sc Nursing, BSW, Allied Health Science Course , GNM

**Fees:** Rs. 3000/-

**Venue :** Smt. Parmeshwari Devi Gordhandas Garodia Educational Complex, 338, R.A. Kidwai Road, Matunga, Mumbai-400019 **Tel:** 022-2409 5792, **Fax:** 2402 6511

**Contact details: Email:** [smesedu@gmail.com](mailto:smesedu@gmail.com), **website:** [www.bmncollege.com](http://www.bmncollege.com)



The pamphlet features three logos at the top: the Seva Mandal Education Society logo on the left, the NOTN logo in the center, and the Seva Mandal Education Society logo on the right. The text in the center reads: 'Seva Mandal Education Society's College Of Nursing and National Deceased Donor Transplantation Network (NDTN) under the aegis of Directorate of Medical Education and Research (DMER), Mumbai , announces'. Below this, the course title 'TRANSPLANT CO-ORDINATOR-CERTIFICATE COURSE' is displayed in bold. The location and dates are given as 'At Seva Mandal Education Society's College of Nursing 12<sup>th</sup> March to 16<sup>th</sup> March 2018'. The eligibility criteria are listed as 'MBBS, MSc Nursing, MSW, P.B.Sc Nursing, B.B.Sc Nursing, BSW, Allied Health Science Course , GNM'. The course fees are 'Rs. 3000/-'. The contact information is 'Contact : 9867377765, 9819580308'.

**COURSE PAMPHLET**

**PROGRAMME COPY**

<b>SR. NO.</b>	<b>PARTICULARS</b>	<b>SPEAKER</b>	<b>TIME</b>
<b>DAY 1 (12<sup>th</sup> March 2018)</b>			
1	Registration and Pre test	-	9.00 am- 9.30am
2	Introduction to Transplantation <ul style="list-style-type: none"> <li>• Need</li> <li>• Types (Auto/Allo/Xeno)</li> <li>• Related/Unrelated</li> <li>• Swap/Domino</li> <li>• Living/Deceased</li> <li>• ABOi/HLA mismatch</li> </ul>	Prof.Dr.Vatsala Trivedi (Transplant Surgeon, President NDTN)	9.30 am-10.00 am
3	Key Note address	Dr Pravin Shingare (Director DMER)	10.00am-10.45am
<b>INAUGURATION AND TEA</b>			10.45am-11.45am
4	History and timeline of successful transplant	Dr.Mayuri Trivedi (Nephrologist- P.D.Hinduja Hospital)	11.45am-12.15am
5	Forms of NOTTO	Mr Santosh Sorate (Coordinator Fortis Hospital Mulund)	12.15pm-12.45pm
6	Agencies dealing with organ donation	Mr Santosh Sorate (Coordinator Fortis Hospital Mulund)	12.45pm-1.15pm
7	Myths in Transplantation	Prof.Dr.Meena Kumar (Professor D.Y.Patil )	1.15pm-1.45pm
<b>LUNCH</b>			1.45pm-2.30 pm
8	Who can be a transplant coordinator? Role and Responsibilities	Ms Bhavana Shah (Coordinator Wockhardt Hospital)	2.30pm-3.00pm
9	Hospital based requirements for a transplant program/NTORC	Dr Parag Rindani (CEO Wockhardt Hospital)	3.00pm-3.30pm
<b>TEA</b>			3.30pm-3.45pm
10	Why do we need a transplant coordinator certification programme	Mrs Anjali Katdare (Principal SMES CON)	3.45pm-4.15pm
	<b>Film “LIFE BEYOND”</b>		4.15 pm- 4.45 pm
11	Summing up		4.45pm- 5.00 pm
<b>Day 2 (13<sup>th</sup> March 2018)</b>			

1	Brain Death <ul style="list-style-type: none"> <li>• Concept</li> <li>• Evolution</li> <li>• Coma/ Euthanasia</li> <li>• Brain death declaration authority</li> </ul>	Prof.Dr.Vatsala Trivedi (Transplant Surgeon, President-NDTN)	9.00 am- 9.45 am
2	Donor action program <ul style="list-style-type: none"> <li>• Identification</li> <li>• Confirmation</li> <li>• Certification</li> <li>• Screening</li> </ul>	Prof.Dr.Meena Kumar (Professor D.Y.Patil )	9.45 am -10.30am
3	Maintenance and Investigations of deceased donor	Prof.Dr.Meena Kumar (Professor D.Y.Patil )	10.30 am–11.15am
<b>TEA</b>			11.15 am -11.30 am
4	Nursing care of unconscious patient	Mrs. Delphina Gurav (Asso. Professor SMES CON)	11.30am -12.15 pm
5	Consent and family counselling including grief counselling: Role of the coordinator	Ms Bhavana Shah (Coordinator Wockhardt Hospital)	12.15pm – 1.00 pm
<b>LUNCH</b>			1.00 pm-1.45 pm
6	Packing and preservation of organs/ transportation/ Green corridor	Mr Santosh Sorate (Coordinator Fortis Hospital Mulund)	1.45 pm- 2.30pm
7	Post donation care of the body and Relatives	Mrs. ShilpaShettigar (Vice Principal)	2.30 pm – 3.15 pm
<b>TEA</b>			3.15 pm – 3.30 pm
8	Medico-legal aspects of transplantation	Prof.Dr. Harish Pathak (HOD Forensic medicine KEM Hospital)	3.30pm – 4.15 pm
<b>Role play (MLC case) and Activity</b>			4.15 pm- 4.45 pm
8	Summing up		4.45 pm- 5.00 pm
<b>Day 3 (14<sup>th</sup> March 2018)</b>			
1	Operation Theater preparedness	Mrs. NamrataKubal (Asst. Prof. SMES CON)	9.00 am- 9.45 am
2	Recipient workup and listing for deceased donor transplant	Dr Amit Langote (Consultant Nephrologist Apollo Hospital Navi Mumbai)	9.45 am -10.30am
3	Body Donation	Dr.Deepak Joshi (HOD Anatomy dept JJ Hospital)	10.30 am - 11.15 am
<b>TEA</b>			11.15am -11.30 am

4	Vascular access: Complications and care	Dr Amit Langote (Consultant Nephrologist Apollo Hospital Navi Mumbai)	11.30 am-12.15 pm
5	Issues in live related transplants (Donor and recipient) Medical, Financial, Social and Psychological issues	Dr.Mayuri Trivedi (Nephrologist- P.D.Hinduja Hospital)	12.15 pm -1.00 pm
<b>LUNCH</b>			1.00 pm - 1.45 pm
6	Retrieval process and challenges	Ms Bhavana Shah (Coordinator Wockhardt Hospital)	1.45 pm –2.30 pm
7	THOA 1994 with amendments	Dr. Umesh Khanna (Nephrologist)	2.30 pm –3.15 pm
<b>TEA</b>			3.15 pm –3.30 pm
8	Organ Retrieval Video		3.30 pm –4.30 pm
9	Summing up		4.30 pm - 5.00 pm
<b>Day 4 (15<sup>th</sup> March 2018)</b>			
1	Liver transplantation – Basic	Dr. Vikram Raut (Liver Surgeon Apollo Hospital Navi Mumbai)	9.00 am - 9.45 am
2	Heart transplantation - Basic	Dr Anvay Mulay (Cardio vascular thoracic Surgeon Fortis Mulund)	9.45am -10.30 am
3	Lung transplantation - Basic	Dr. Jai Mullerpattan (Consultant Pulmonary P.D. Hinduja Hospital)	10.30 am -11.15am
<b>TEA</b>			11.15am -11.30 am
4	Skin Donation	Dr. Sunil Keswani (Plastic surgeon burns- Airoli)	11.30 am-12.15 pm
5	Kidney transplantation - Basic	Dr. Mukesh Shete (Consultant Nephrologist)	12.15 pm -1.00 pm
<b>LUNCH</b>			1.00 pm –1.45 pm
6	Limb and Face Transplantation Hair and Free graft transplantation	Dr. Vinita Puri (HOD Plastic Surgeon- KEM Hospital)	1.45 pm –3.00 pm
<b>TEA</b>			3.00 pm –3.15 pm
8	Organ allocation system	Prof. Dr. Vatsala Trivedi (Transplant Surgeon)	3.15pm - 4.15 pm
9.	Interactive session		4.15 pm –5.30 pm

**Day 5 (16<sup>th</sup> March 2018)**

1	Bone marrow transplantation	Dr. Mukesh Desai (Consultant Hematologist)	9.00 am - 9.45 am
2	Pancreatic and Intestinal transplantation	Dr Hemali Trivedi (Consultant Urologist)	9.45 am -10.30 am
3	Ethics in Transplantation	Dr. Vatsala Trivedi (Transplant Surgeon)	10.30 am-11.15 am
<b>TEA</b>			11.15 am-11.30 am
4	Eye donation	Dr. Nikhil Gokhale (Ophthalmologist)	11.30 am-12.15 pm
5	Uterine transplantation	Dr. Shailesh Puntambekar (Gynaecologist Uterine transplant surgeon)	12.15 pm-1.00 pm
<b>LUNCH</b>			1.00 pm - 1.45 pm
6	Pediatric Transplantation: How is it different?	Dr. Kumud Mehta (Ex HOD Paed Nephrologist consultant)	1.45 pm - 2.30 pm
<b>Interactive session</b>			2.30 pm-3.00 pm
7	Post test		3.00pm -3.15 pm
<b>TEA</b>			3.15pm- 3.30 pm
<b>VALEDICTORY FUNCTION</b>			

## PROCEEDINGS OF THE PROGRAMME

**DAY -1 Monday, 12<sup>th</sup> March 2018**

### **Inaugural Ceremony:**

The Programme was hosted by Mrs. Delphina M. Gurav and Mrs. Namrata A. Kubal. The inaugural ceremony began with a Prayer Dance “The Ganesh vandana”, performed by the 3<sup>rd</sup> year Basic BSc. Nursing students. Dr. Dilip Trivedi (President of the Seva Mandal Education society) gave the inaugural speech and welcomed the audience.

Mrs. Shilpa Shettigar, Vice Principal SMES college of nursing presented the highlights of the course and the proceedings of the five days.

Dr. Vatsala Trivedi (Transplant surgeon, President NDTN) unfolded the course title .

Dr. Shilpa P. Charankar(Principal Smt. SCNI Polytechnic) introduced the Guest of honor, Dr.(Mrs.) Meera Achrekar, Assistant Nursing Superintendent. ACTREC. She was felicitated by Dr. Dilip Trivedi. (President of the Seva Mandal Education society)

Mrs. Achrekar addressed the gathering stating the need for having transplant Coordinator training and congratulated Dr. Vatsala Trivedi for such a wonderful initiative.

Dr. Vatsala Trivedi, (Transplant surgeon and President NDTN) introduced the Chief guest, Dr. Pravin Shingare, (Director of the Directorate of Medical Education and Research) Mumbai. He was felicitated by Dr. Mrs. Shilpa Charankar.

Dr. Pravin Shingare addressed the audience and congratulated Dr. Vatsala Trivedi for her tireless efforts in bringing visibility of the transplant surgeries in the medical field and her initiative in starting the much neglected training aspect in relation to organ donation and transplantation. He shared wonderful memories of the past, how madam Trivedi whole heartedly worked for getting the bill passed and amendments made in the transplantation law.

Mrs. Anjali Katdare Principal SMES college of Nursing Proposed the vote of thanks.



**Students performing Ganesh Vandana**



**Veneration to Lord Ganesh by the Chief Guest Dr. Pravin Shingare, Director, DMER**

**Lighting of the Lamp by the dignitaries**



**Dr. Mrs. Meera Achrekar,  
Asst. Nursing Suptd.  
ACTREC**



**Dr. Dilip Trivedi,  
President  
Seva Mandal Education society**



**Dr. Vatsala Trivedi  
Transplant surgeon  
President NDTN**



**Prof. Dr. Meena Kumar  
Dr. D.Y. Patil Medical  
College and Hospital**



**Unfolding of the Course Title by  
Prof. Dr. Vatsala Trivedi**



**Dr. Mrs. Shilpa Charankar, Welcoming  
and introducing the Chief Guest**



**Felicitating of Dr. Vatsala Trivedi  
by the Chief Guest**



**Felicitation of the chief guest**



**Address by the chief guest, Dr. Pravin Shingare  
Director of the Directorate of Medical Education and  
Research**



**Felicitation of Guest of Honour**



**Address by the Guest of Honor, Dr. Mrs. Meera  
Achrekar, Asst. Nursing Suptd. ACTREC**



**Dignitaries on the Dias**



**Enthusiastic audience**

## PROCEEDINGS OF THE SESSIONS

### PRE-TEST



The Pretest was conducted prior to the starting of sessions. It was a 30 marks test with one sentence answer. All the participants participated in the test

### Session I: Introduction to Transplantation

**Prof.Dr.Vatsala Trivedi (Transplant Surgeon, President NDTN)**

Madam Vatsala Trivedi began with the first session explaining the need for Transplant coordinator training, terminology and the concept of transplantation. She spoke about the types of transplants like (Auto/Allo/Xeno)Related/Unrelated, Swap/Domino, Living/Deceased, ABOincompatibility /HLA mismatch.



**Session II: History and timeline of successful transplant**  
**Dr.Mayuri Trivedi,(Nephrologist- P.D.Hinduja Hospital)**



Dr. Mayuri is a Consultant Nephrologist and Renal Transplantation physician attached to Hinduja Hospital, Mumbai. She presented sequentially the evolution of the Transplant surgeries and its success stories.

**Session III: Forms of NOTTO and Agencies dealing with organ donation**  
**Mr. Santosh Sorate ( Transplant Co-ordinator, Fortis Hospital Mulund)**



Mr. Santosh Sorate is an transplant coordinator at Fortis hospital Mulund. He has cordinated for numerous transplant surgeries. He spoke on various forms and documents maintained for the transplantation process. He also introduced the participants to various agencies and centres associated with transplantation and the flow mechanism of cordination with these agencies.

#### **Session IV:Myths in Transplantation**

**Prof.Dr.Meena Kumar (Professor D.Y.Patil )**



Dr Meena Kumar is Professor of Surgery at Dr.D.Y.Patil medical college and hospital, Navi Mumbai. She was the coordinator for the cadaver donation programme and was an active surgical team member of the first cadaver liver transplant in the state of Maharashtra in India in August 2002 at this very hospital. She is member of various other groups including NDTN [National Body for Cadaver Organ Transplantation] and ZTCC[Zonal Transplantation Coordination Committee]. She is actively involved in the organization of CMEs and training programs for cadaver transplantation. She spoke on various myths and wrong beliefs related to organ donation and transplantation.

#### **Session V : Who can be a transplant coordinator?**

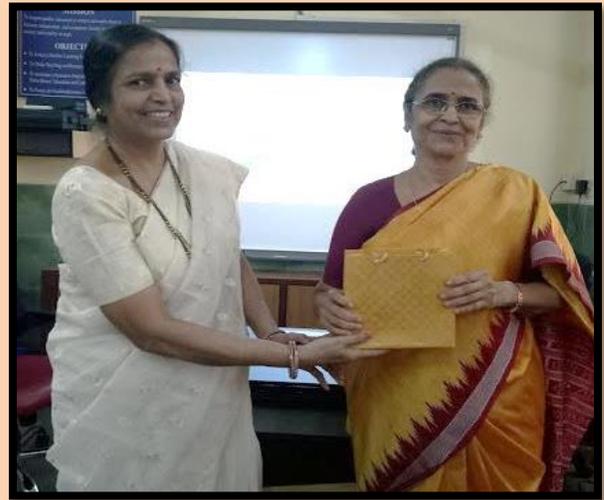
**Role and Responsibilities, Hospital based requirements for a transplant program/NTORC**

**Ms Bhavana Shah(Transplant Coordinator Wockhardt Hospital)**



Ms. Bhavana is a transplant Coordinator in Wockhardt hospital closely associated in counselling and mediating for organ donation and transplant surgeries since many years. She very efficiently described the eligibility criteria for becoming a transplant coordinator and their roles and responsibilities of the transplant coordinator. She also explained about the hospital based requirements for transplant surgery.

**Session VI: Why do we need a Transplant Coordinator Certification Programme?**  
**Mrs Anjali Katdare (Principal SMES CON)**



Madam Anjali Katdare , principal of seva mandal college of nursing emphasized on the need for the Transplant Co-ordinator Certificate programme. She expressed her hopefulness about the fact to come true that “every brain dead person becomes the organ donor leading to save the life of seven people and enhancing the quality of life of forty two people”

**Session VII: Film on “LIFE BEYOND” and summing up**

A very inspiring and heart touching film, ‘Life Beyond’ created a great impact on the participants, emphasizing the greatness of donating body organs and experiencing the joy of giving. The recipient testimonies in the film dampened the eyes of all watching it.

Recaptulation and Summing up of the sessions was done by Ms. Delphina M. Gurav



## Day 2: Tuesday, 13th March 2018

### Session I: Brain Death

**Prof.Dr.Vatsala Trivedi (Transplant Surgeon, President NDTN)**

Dr. Vatsala trivedi delivered a very effective clarification on the concept of brain death. The evolution of the term and the concept, the difference between Coma and Euthanasia and the health care authority involved in declaration of Brain death



### **Session II: Donor action program and Maintenance and Investigations of deceased donor** **Prof.Dr.Meena Kumar (Professor D.Y.Patil )**

Dr. Meena Kumar Spoke about the identification of the donors, the confirmation to be undertaken, the certification and the necessary screening and investigations required for donation of organs.



### **Session III: Nursing care of unconscious patient**

**Mrs. Delphina Gurav (Associate Professor SMES College of Nursing)**

Mrs. Delphina Gurav expressed the empathetic role the nurses need to play while caring for the unconscious patients. She used many clinical examples during her lecture delivery.



### **Session IV: Consent and family counseling including grief counseling: Role of the coordinator**

**Ms Bhavana Shah (Coordinator Wockhardt Hospital)**



Counseling; The main important aspect of the organ donation was dealt by ms. Bhavana Shah. She shared lot of practical knowledge with day to day examples while dealing with relatives post death of the patient who is a desirable donor.

**Session V: Packing and preservation of organs/ transportation/ Green corridor**

Mr Santosh Sorate (Coordinator Fortis Hospital Mulund)



Mr. Santosh Sorate was too good in expressing the views and his experiences in transporting the body organs in time for transplantation. He shared various live examples and the challenges faced in transportation of body organs donated while observing effective time management.

**Session VI: Post donation care of the body and Relatives**

Mrs. Shilpa Shettigar (Vice Principal)



Mrs. Shilpa Shettigar emphasized on the maintenance of body respect and dignity after death, and the care of relatives post death of the near ones. She also showed pictures that depicted the aesthetic appearance of the patients body post donation.

## **Session VII: Medico-legal aspects of transplantation**

**Prof.Dr. Harish Pathak (HOD Forensic medicine KEM Hospital)**



Dr. Harish Pathak is the head of department of Forensic medicine at KEM Hospital and has closely being association with body donation and the various litigations associated with it. He made the participants known to the various medico-legal aspects and challenges faced in body donation and organ retrieval.

## **Session VIII: Role play (MLC case) and Activity:**



The participants were divided into three groups and were assigned scenarios to act upon and demonstrate their stand in co-ordinating the entire process from donation to transplantation. They enthusiastically participated. Dr. Trivedi and Ms. Bhavna Shah guided the roleplay and added on the missing roles of the coordinators.

**Day 3, 14th March 2018**

**Session I: Operation Theater preparedness**

Mrs. Namrata Kubal (Assistant. Prof. SMES CON)



Mrs. Namrata Kubal in a very systematic approach explained the preparation required to be done at the operation theatre, before organ transplantation. She also mentioned about the prerequisites to be considered by the coordinators before the surgery.

**Session II: Recipient workup and listing for deceased donor transplant**

**Dr Amit Langote (Consultant Nephrologist Apollo Hospital Navi Mumbai)**



Dr. Amit Langote is a renowned Nephrologist at the Apollo Hospital Mumbai. He has been associated with the transplant surgeries since many years. He spoke about the necessary preparation to be done of the recipient before attempting transplantation, in order to have no rejection and minimum complication rate post-transplant. He beautifully narrated the requisites by comparing it with a wedding preparation.

### **Session III: Body Donation**

**Dr. Deepak Joshi (HOD Anatomy dept JJ Hospital)**



Dr. Deepak Joshi is the Head of the anatomy department at JJ Hospital. He is a senior doctor with vast experience associated with body donations and organ retrieval. He spoke about the process of body donation and the statistics related to body donation. He also offered permission to the candidates, to visit the anatomy lab of J.J. Hospital.

### **Session IV: Vascular access: Complications and care**

**Dr Amit Langote (Consultant Nephrologist Apollo Hospital Navi Mumbai)**



Dr. Amit Langote effectively explained the various areas of vascular access , its care and the complications associated with the vascular access

**Session V: Issues in live related transplants (Donor and recipient)**

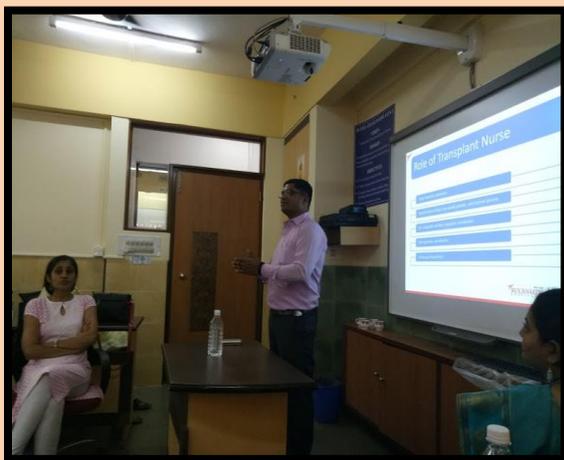
**Dr.Mayuri Trivedi (Nephrologist- P.D.Hinduja Hospital)**



Dr. Mayuri Trivedi, spoke on Medical, Financial, Social and Psychological issues related to donor and recipients of live related transplants.

**Session VI: Retrieval process and challenges and nurses role**

**Ms Bhavana Shah(Transplant Coordinator) and Mr. Gaikwad (Clinical Nurse- coordinator)  
Wockhardt Hospital**



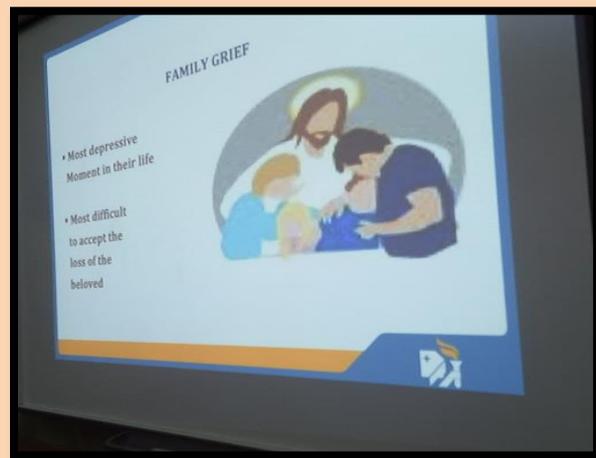
Mr. Gaikwad, Clinical nurse coordinator, spoke on the nurses role in organ retrieval process. It was a very systematic presentation describing detail role of transplant coordinator

**Session VII: THOA 1994 with amendments**  
**Dr. Umesh Khanna (Nephrologist)**



Dr. Umesh Khanna the senior most Nephrologist very effectively described the ‘Transplantation of human organ Act’ and the timely ammendments made therein. He added lot of humour in his delivery of the subject matter and made the participants participate in the discussions.

**Session VIII: Organ Retrival Video and summing up**



A very practical video of retrieval of various body organs for donation was played for the participants, that brought lot of clarity to the theorotical matter. The entire days summing up was done by ms. Delphina Gurav.

**Day 4 (15<sup>th</sup> March 2018)**

**Session I: Liver transplantation – Basic**

**Dr. Vikram Raut (Liver Surgeon Apollo Hospital, Navi Mumbai)**



Dr. Vikram Raut is a well-known Liver surgeon having overseas experience in the field of transplantation. He explained the basics of Liver transplantation in a very orderly format, right from the indication, prerequisites unto the role of nurse and coordinators.

**Session II: Heart transplantation – Basic**

**Dr. Sinha (Clinical coordinator- heart transplant, Fortis hospital, Mulund)**



Dr. Sinha explained the role and responsibilities of social medical worker as a transplant coordinator and the basics of heart transplant. He shared many examples of his experience in transplantation coordination.

### **Session III: Lung transplantation – Basic**

**Dr. Jai Mullerpattan (Consultant Pulmonary P D Hinduja Hospital)**



Dr. Jai Mullerpattan explained the indications and pre-requisites for the lung transplant through case study approach. He shared live examples and the complications and challenges faced by the recipients post transplant. He emphasized on followup visits.

### **Session III: Skin Donation**

**Dr. Sunil Keswani (Plastic surgeon burns- Airoli)**



Dr. Sunil Keswani a senior most plastic surgeon, through his vast experience and great sense of humour explained about the skin donation, skin harvesting techniques and the skin transplant.

## **Session IV: Kidney transplantation - Basic**

**Dr. Mukesh Shete (Consultant Nephrologist)**



Dr. Mukesh Shete is a hard core professor who explained the kidney transplant in a very detailed manner. It was a very effective lecture followed by lot of discussions.

## **Session V: Limb and Face Transplantation**

**Hair and Free graft transplantation**

**Dr. Vinita Puri (HOD Plastic Surgeon- KEM Hospital)**



Dr. Vinita Puri is head of the plastic surgery at KEM hospital, who spoke on the limb and face transplant. She narrated various live examples of successful grafting and limb corrections using live pictures and testimonies.

**Session VI: Organ allocation system**

**Prof. Dr. Vatsala Trivedi (Transplant Surgeon)**



Madam Vatsala Trivedi spoke on the system of organ allocation and the transparency that is maintained in organ allocation.

**Day 5 –Friday, 16th March 2018**

**Session I: Bone marrow transplantation**

**Dr. Mukesh Desai (Consultant Hematologist)**



Dr. Mukesh Desai a senior consultant hematologist discussed effectively about bone marrow transplant.

## **Session II: Pancreatic and Intestinal transplantation**

**Dr Hemali Trivedi (Consultant Urologist)**



Dr Hemali Trivedi is a Consultant Urologist at Saifee, Wockhardt and Kohinoor Hospitals in Mumbai. She spoke about Pancreatic and Intestinal transplantation .

## **Session III: Ethics in Transplantation**

**Prof. Dr. Vatsala Trivedi (Transplant Surgeon)**



A detailed explanation regarding Ethics in Transplantation was given by Dr. Vatsala Trivedi.

#### **Session IV: Eye donation**

**Dr. Nikhil Gokhale (Ophthalmologist)**



Dr. Nikhil Ghokhale is a practising ophthalmologist performing numerous corneal transplant surgeries. He effectively explained the process of eye transplant.

#### **Session V: Pediatric Transplantation: How is it different?**

**Dr. Kumud Mehta (Ex HOD Paed Nephrologist consultant)**



Dr. Kumud Mehta is a senior most Paediatrician, practising in south Mumbai, who expressed her views on how Paediatric transplants are different from the adult ones. She explained various care aspects while handling the children's surgeries.

## Interactive session



The participants enthusiastically participated in the interactive roleplays and discussions.

## Post test



Post test was conducted at the end of sessions. The analytical data depicted a huge significance of the course.

## VALEDICTORY FUNCTION



Ms. Delphina M. Gurav and Ms. Namrata A. Kubal hosting the valedictory session



Dignitaries on the dais



Felicitation of the chief guest



Address by Chief Guest Mrs. Nirmala Sawant Prabhawalkar



Responses from the Participants

# CERTIFICATE AWARDING





**FELICITATION OF GUEST THROUGH STUDENTS**



**VOTE OF THANKS**





**THE PARTICIPANTS OF THE TRANSPLANT CO-ORDINATOR CERTIFICATE COURSE**



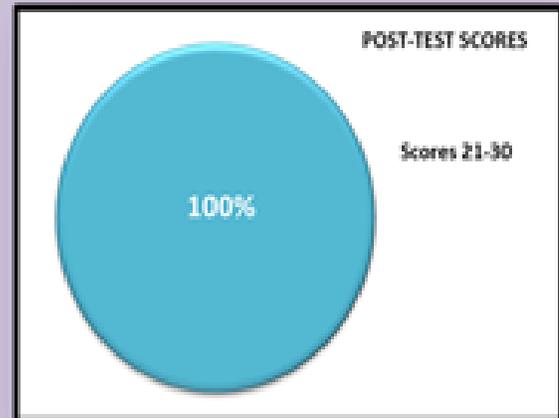
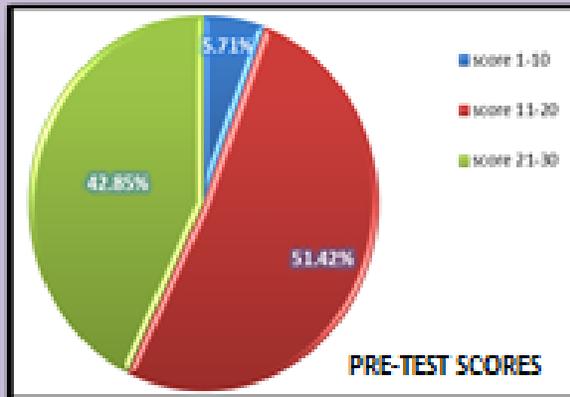
**THE CERTIFICATE**

**ANALYSIS OF THE PRE-TEST AND POST TEST**

**COMPARATIVE SCORES BETWEEN PRE-TEST AND POST- TEST OF KNOWLEDGE ABOUT TRANSPLANTATION**

Knowledge Scores obtained	PRE TEST			POST TEST		
	1-10	11-20	21-30	1-10	11-20	21-30
f	02	18	15	00	00	35
%	5.7%	51.42%	42.85%	0	0	100%

N=35



The post test scores depicted maximum participants with the knowledge scores between 25 to 30 expressing the positive impact of the Course.

**Day wise analysis of the Sessions**

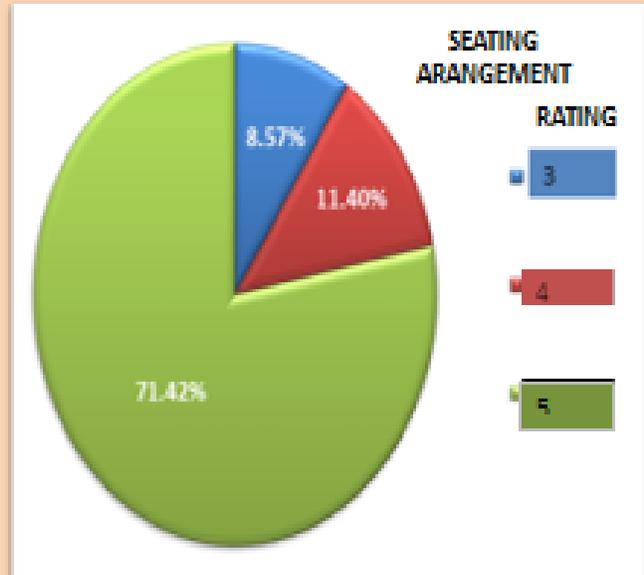
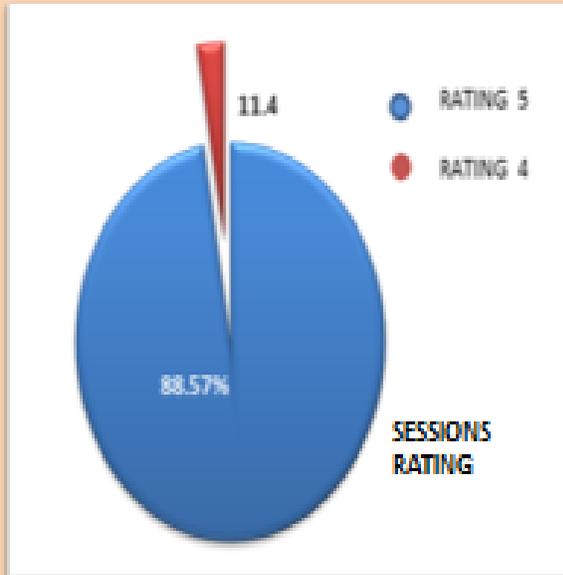
Scores	DAY 1				DAY 2					DAY 3			DAY 4					DAY 5				
	3	4	5	NV	1	2	3	4	5	NV	4	5	NV	2	3	4	5	NV	3	4	5	NV
1			25	10				2	33	0	5	22	8	2	2	0	15	16	1	7	21	6
2		9	22	4				9	18	8	4	23	8	1	1	5	15	13	1	6	17	11
3	3	5	21	6				10	18	7	5	21	9	1	2	6	15	11	1	6	17	11
4	3	7	20	5				9	21	5	2	22	11		4	7	12	12		5	17	13
5	1	6	19	9				7	19	9	3	23	10		5	9	14	7		7	17	13
6	1	3	21	10	1			5	19	10	5	19	11			5	18	12	1	5	12	17
7	2	7	17	9			2	6	17	10	5	17	13			5	18	12				
8	1	7	17	10		1	3	6	14	11	1	15	19			7	14	14				

n=35

NV= NON VALID RESPONSE (non attempted, scribbled, cancelled, illegible scoring)

## Transplant Coordinator course overall feedback analysis

RATING	Sessions			Seating arrangement			Activity			Food				
	3	4	5	3	4	5	3	4	5	1	2	3	4	5
scores		04	31	03	07	25	03	15	17	02	01	10	13	09
%		11.4	88.57	8.57	11.4	71.42	8.57	42.85	48.57	5.71	2.85	28.57	37.14	25.71



1 = Poor      2 = Fair      3 = Good      4 = Very Good      5 = Excellent

