



IKDRC-ITS

BULLETIN

VOLUME : 23 NUMBER : 1 : JANUARY 2015

“How long you live is not important but how well you live in service of others is all that counts”....

34TH FOUNDATION DAY (9TH DAY OF NAVRATRI AND DUSSEHRA)

The department of Pathology, Laboratory Medicine, Transfusion Services and Immunohematology has been moved to the new building and was dedicated to the people of Gujarat by Hon. Health Minister Shree Nitin Patel and Hon. Ex-Member of Parliament (Rajya Sabha) Shree Jayantilal Barot, on the 9th day of Navratri which was also Dussehra, the 3rd October, 2014. The facilities have been upgraded along with installation of transmission electron microscopy (TEM), with the support of Govt. of Gujarat. Thus our through-put has been raised to about 200 samples reported per hour. In addition, it has been linked up by the hospital information and management system (HIMS) to the clinical services to ultimately reach to paperless state.



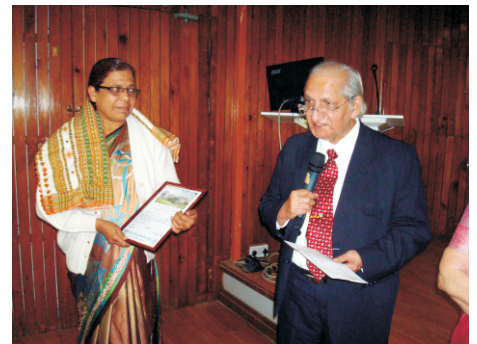
Dept. of Pathology & Lab. Medicine moved in new building in premises inaugurated by Honorable Health Minister, Shree Nitinbhai Patel, and Shree Jayantibhai Barot, Ex-M.P. (Rajya Sabha) on 3rd October, 2014.

ICU ON WHEELS WAS DONATED BY STATE BANK OF INDIA ON 18TH OCTOBER, 2014



YEAR END CELEBRATIONS

The year ended with academic appraisal of each department which included Anesthesia, Critical Care, Nephrology, Pediatric Nephrology, Gastrointestinal Surgery and Liver Transplantation, Obstetrics and Gynecology, Pathology, Lab Medicine, Transfusion Services, Immunohematology, and Department of Cell Research, Therapy and Regenerative Medicine, Physiotherapy, Radiology, Urology and Transplantation Surgery. Staff Nurse Carol Shah was honored with the best worker of the year award which included a citation, shawl and cash prize of Rs. 11,000/-.



Prof. Trivedi appreciating the services of Sister Carol Shah on his left, on the occasion of her felicitation as best worker of the year.



**Smt. Gulabben Rasiklal Doshi
&
Smt. Kamlaben Mafatlal Mehta**

**INSTITUTE OF KIDNEY DISEASES
&
RESEARCH CENTRE**



Dr. H. L. Trivedi

**INSTITUTE OF TRANSPLANTATION
SCIENCES**

Editorial Board

Dr. H. L. Trivedi

Dr. Veena Shah

Shri Madhav Ramanuj

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Dr. Pankaj Shah

Ms. Jyotsana Suthar



At the end of the sessions, all the staff members and residents who had their papers published in indexed journals or had reviewed articles for different journals were awarded cash prizes. This year there were 56 publications from different departments. Dr. Vivek Kute bagged the highest prize money of Rs. 70,000/- for 9 publications.

INSTITUTE ORGANIZES "TRANSPLANTATION UPDATE 2015"

"Transplantation Update 2015" was successfully organized in our premises from 9th to 11th January, 2015. The major themes of this conference were transplantation tolerance, cell therapy, demonstration of generation of adipose tissue derived mesenchymal stem cells and regulatory cells, antibody mediated injury, liver and pancreatic transplantation, how to increase the donor pool, pediatric transplantation, experience of transplant programs from developing world, long term follow up of kidney donors and robotic and laparoscopic kidney transplantation. The following awards were given on the occasion.

Awards

- **Maharshi Sushruta Gnyaanpeeth Sanmaan** for research related to transplantation immunobiology was given to Prof. Shimon Sakaguchi from Kyoto University, Japan for his work on T-regulatory cells and their role in transplantation tolerance. This award consisted of a citation, cash prize of Rs. 300,000/- (3 lakhs only) and shawl).
- **Dr. H. L. Trivedi Award for Development of Transplantation Program in a Developing Country** was given to Dr. Ezzedine Abderrahim from Tunisia for their development of

cadaver organ transplantation program. The prize included a certificate, shawl and cash prize of Rs. 100,000/.

To encourage young aspirants in the field of basic, applied and clinical sciences, two categories of awards were given. The jury for these awards included Prof. John T. Crosson from University of Minneapolis, US, Prof. V. Sivakumar from SVIMS, Tirupati, Prof. N.K. Hase from KEM hospital, Mumbai, Prof. Pankaj Shah from IKDRC-ITS, Ahmedabad and Prof. H.L. Trivedi, Chairman of the conference.

- **Young Investigators' Awards:** Mr. Kunal Gupte, Dr. Umang Thakkar, Dr. Lovelesh Nigam, Dr. Vinay KS, Dr. Kamlesh Suthar, Dr. Keyur Patel from IKDRC-ITS, Ahmedabad and Dr. Manish Rathi from PGIMER, Chandigarh. The winners were given prize of Rs. 10,000/- each and free registration.
- **Papers of Distinction:** Dr. Narayan Prasad, Dr. Ram Naval Rao and Brijesh Yadav from SGPGI, Lucknow, Dr. Ramya Barani from Sri Ramchandra Medical University, Chennai and Ms. Shruti Dave, Dr. Vipul Patel, Mr. Chetan Patel, from IKDRC-ITS, Ahmedabad.

The winners were given prize of Rs. 5,000/- each and free registration.

Fifty kidney allograft recipients on no conventional/ minimum immunosuppression had also come on invitation of the organizers and delegates met them and were convinced of transplantation tolerance. Totally 270 transplanters and students in the field participated actively and all were very happy with

the exchange of ideas and one and all felt that this institute had many advances in all fields related to transplantation, to offer to the world. Overseas delegates from Australia, Bangladesh, Brunei, Cameroun, Croatia, Japan, Thailand, Mauritius, Nepal, Nigeria, Singapore, Tunisia and USA had also joined us in the event. Faculty included 27 members. Award session of the conference was held at 7 p.m. on Saturday the 10th January, 2015. Prof. Hari Gautam, Former Chairman, UGC and Current Chancellor, Mahatma Gandhi University of Medical Sciences & Technology, Jaipur, presided over this function. Padmashri Prof. Saroj Chooramani Gopal, Former V.C., Banaras Hindu University, Varanasi and Chhatrapati Shahuji Maharaj Medical University, Lucknow was the guest of honor for the ceremony.



Prof. Sakaguchi receiving Maharshi Sushruta Gnyaanpeeth Sanmaan and citation from Prof. Hari Gautam and Prof. Trivedi.



Prof. Ezzedine receiving a certificate and cash prize from Prof. Hari Gautam and Prof. Trivedi.



Dancers of "Nriya Bhaarati School of Performing Arts" performing on the occasion of the conference.

DECEASED DONOR ORGAN TRANSPLANTATION

Shree Damjibhai Mohanbhai Dalsania was 49 years old, working as a school teacher in government run school of village Jaalia, district Rajkot. In the early morning of 21st October, 2014 he was getting ready to attend a marriage of a relative. Suddenly he fell down and convulsed. He was moved to Wockhardt hospital where CT scan revealed cerebral aneurysm leading to bleeding. Unfortunately the hemorrhage was severe and he could not be salvaged. The family was explained about his brain hemorrhage and poor prognosis. Drs. Kant Jogani and Divyesh Viroja treating him, explained to the family about his brain death and motivated them for organ donation. They soon agreed and our team was summoned in. His wife who is also a school teacher and his elder brother who is a farmer came forward for organ donation. One kidney was given to 26 years old Kevalben Muljibhai Kikani who was on our waiting list for the last 18 months. She lost her kidneys to chronic tubulointerstitial

nephritis and had just graduated in BCA. Second kidney was given to 57 years old Shri Nareshchand Krishnaatari, working as D.G.M. in India Drugs and Pharmaceuticals Ltd. in Gurgaon, Haryana, who was on our waiting list for the last 1 year and had lost his kidneys to obstructive uropathy. Liver was given to 40 years old Shree Ajay Ashokbhai Khetan who developed liver failure due to HCV induced cirrhosis and was on our waiting list for the last 1 month. These transplants were performed on 31st October, '14 and all the patients are doing well.

Shree Hemendrabhai Shantilal Nandu was 67 years old man originally from Bhuj settled in Mumbai. He was working as a sales tax and income tax consultant. He had gone to visit his family and friends in a village near Bhuj. He was hit by a passing vehicle while walking on a road and fell down. A scooter driver who was passing by that side saw him on the road and found that this old man was in a state of shock. Immediately without wasting time, that person helped him get up and made him sit on the back seat of his scooter and tied a shawl around him so that he would not lose balance. He was taken to a nearby hospital where he vomited blood. They summoned state ambulance 108 and took him to a hospital in Mandvi. CT scan was performed. It revealed a massive brain hemorrhage. His younger sister **Madhuriben Nandu** is a Gynecologist in Bhavnagar. She was

informed about his accident and she reached there. He was moved to Bhuj from Mandavi in Accord hospital. However Dr. Madhuriben had realized that she was going to lose her brother. The family has a very luminous history of organ and body donation. Thirty years back they had donated the body of their 105 year old grandfather in Bhuj, and 2 years back they had donated skin and eyes of their mother. Hemendrabhai also had expressed his desire of organ donation if destiny would allow it. Thus when the moment came, they declared about their desire of organ donation. Both kidneys were given to 59 years old Smt. Mayarani Rampal Dahiya, mother of Deputy Secretary (Med. Edu), Dept. of H & F.W., Government of Gujarat, who was on our waiting list for the last 3-4 months. She lost her kidneys to chronic glomerulonephritis. This was a unique transplant, since it was historically the first robotic dual transplant of the world performed by Dr. Pranjal Modi and his team on 10th November, '14. She is doing well.

Shree Maheshbhai Dhirubhai Vaavadia was a young man of 27 years, working as laborer in imitation jewellery business in Rajkot. In the early morning of 10th November, '14 he was on his way to work on his motorcycle. Unfortunately he applied his breaks to save a small kid who suddenly came across running on the road. In the process he lost balance, his vehicle skid on the road and head hit

on the ground making him unconscious. Some people passing by saw him and summoned in state ambulance 108 which took him to Wockhardt hospital where CT scan revealed brain hemorrhage. He was declared brain dead by Dr. Kant Jogani and group who motivated the family for organ donation. They soon agreed and our team was summoned in. One kidney was given to 53 years old Rohitbhai Khodabhai Sanghani, who had been transplanted in Mumbai with mother's kidney in 1995 for kidney stones leading to kidney failure. He was on our waiting list for the last 3 years. Second kidney was given to 35 years old Arif Abdulbhai Tai, working as salesman in a cloth store in Navsari. He was on our waiting list for the last 18 months and had lost his kidneys to unknown reasons. Liver was given to 58 years old Nirupamaben Amrutalal Shah who developed liver failure due to NASH induced cirrhosis and was on our waiting list for the last 1.5 months. These transplants were performed on 14th November, '14. All the patients are doing well.

Shree Alkeshbhai Ratibhai Patel was a 51 years old man from Vadodara working as a lathe machine operator in a private company. He had been to London, UK in 2004 where he stayed till 2010 to earn and returned to his hometown since he developed pulmonary fibrosis in London. He frequently had episodes of breathlessness which was taken care of at home by putting him on oxygen, so much so, that they used to keep

oxygen cylinders always available in emergency. During one such episode, which became life threatening, he was shifted to Satyam hospital under the care of Dr. Nimit Yagnik, friend of our Surgeon, Dr. Pranjali Modi. He had instructed his wife not to put him on ventilator, however since they were keen to donate his organs, they decided to support him on ventilator. Eventually his systems failed and our team was summoned in for organ donation. One kidney was given to 24 years old Dhruv Hitendra Vyas, who was pursuing studies of C.S. and had been transplanted in our institute with mother's kidney in 2007 for refluxing kidneys leading to kidney failure. However after this kidney was lost to chronic dysfunction, he was on our waiting list for the last 1 year. His father was to donate kidney to him however we had this cadaver kidney just then when we offered him this kidney. Second kidney was given to 36 years old Bhavesh Babubhai Bhalaalaa, working as a manager in a diamond factory in Ahmedabad. He was on our waiting list for the last 2 years and had lost his kidneys to unknown reasons. These transplants were performed on 19th November, '14. Both the patients are doing well.

Shree Reji Verghese was a 47 years old man from Rajkot serving as manager in a private company dealing with exports. He was on his way to his office at around 9 am on his motorcycle. He met with a head on collision with a car and fell down. The car driver immediately took him

to Wockhardt hospital where CT scan revealed brain hemorrhage. His own sister was serving the same hospital in capacity of customer care. Thus no stone was left unturned to provide him with the best immediate care. He was declared brain dead by Dr. Kant Jogani and group and together they decided to donate his organs to save the life of patients suffering from end organ failure. Our team was summoned in. One kidney was given to 58 years old housewife Rashmiben Ranjitbhai Mehta from Vadodara, who had been transplanted in our institute two years back with cadaver kidney for CGN- kidney failure. Second kidney was given to 31 years old Mitesh Mahendrabhai Shah, working in a private company in Ahmedabad. He was on our waiting list for the last 2.5 years and had lost his kidneys to unknown reasons. These transplants were performed on 22nd November, '14. Both the patients are doing well. **Smt Pushpaben Chauhan** was the wife of Dr. Hasmmukhbhai Chauhan staying in Ahmedabad. Dr. Chauhan is serving as Head of the Dept. of Pediatrics at Bhuj Adani Medical college. She was 55 years old. On 22nd November, she suddenly fell down unconscious while going to bathroom. Her daughter settled in USA had come to meet her mother and was to return to US the same day. She shifted her mother to CIMS hospital where CT scan revealed cerebral aneurysm causing brain hemorrhage. Dr. Chauhan was also summoned and rushed to the hospital after hearing of the shocking

news of his wife. She was operated upon however could not be recovered. She was eventually declared brain dead and family agreed upon organ donation on motivation. She was shifted to our hospital. Both kidneys were given to 22 years old Riddhiben Suthar from Sabarkantha who was studying in final year of Computer engineering and had lost her kidneys to unknown cause. She was on our waiting list for the last 18 months. Liver was given to 56 years old Shree Kanaiyalal Ghanshyamdas Kalyani who developed liver failure associated with cancer and was on our waiting list for the last 1 month. These transplants were performed on 7th December, '14 and all the patients are doing well.

Smt Nasimben Barkatbhai Vadsaaria was a 43 years old housewife from Surat. Her husband is a sherbat vendor in Surat. She always used to complain of headache which was found to be due to brain tumor. The family was scared of treating her and continued to treat her symptomatically. On 19th December, she developed severe headache, vomiting and was feeling quite unwell. Eventually she started convulsing and slipped into coma in the evening. She was taken to Apple hospital where Dr. Ashok Patel operated upon her however she could not be revived. She was eventually declared brain dead and family agreed upon organ donation on motivation. One kidney was given to 42 years old Geetaben

Dilipbhai Boricha, a housewife from Jamnagar who had lost her kidneys to unknown cause. She was on our waiting list for the last 2 years. Second kidney was given to 18 years old Aarti Jawahar Bhulchandani from Surat. She is a student of 12th standard commerce stream and was on our waiting list for last 2.5 years. These transplants were performed on 22nd December, '14 and all the patients are doing well.

OUTDOOR VOLUNTARY BLOOD DONATION DRIVES

We thank the following organizers for arranging voluntary blood donation drives and volunteer blood donors for donating blood for our patients at the institute.

1. Dr. Vanikar Bhavan, Vishva Hindu Parishad office, 11, Mahalakshmi Society, Paldi, Ahmedabad organized by Shree Rajubhai and Shree Javalit Mehta on 2nd November, '14; 42 donors donated blood.
2. Gayatri Mandir, Ranip, Ahmedabad organized by Shree Vipul Parikh on 2nd November, '14; 30 donors donated blood.
3. HDFC Bank, Gandhinagar, organized by Shree Rajeshbhai and Shree Sunilbhai Velhal on 5th December, '14; 88 donors donated blood.
4. Hotel President, Gandhinagar, organized by Shree Rameshbhai Makwana on 14th December, '14; 80 donors donated blood.
5. Kamnath Mahadev hall, Memnagar, Ahmedabad,

organized by Shree Bansilalji Chechad on 30th December, '14 on the occasion of 236th year of "Raman Maharshi Janma Jayanti"; 18 donors donated blood.

6. Aalekh #, Lad Society, Ahmedabad, organized by Shree Navinchandra Pandit on 4th January, '15; 92 donors donated blood.

CONGRATULATIONS

- Prof. Pranjal Modi performed the first keyhole (laparoscopic) kidney transplantation in Europe (Liverpool, UK). BBC broadcasted news on 9th October, 2014. Link <http://www.bbc.com/news/health-29556902>.
- World's first successful robotic dual kidney transplantation was carried out by Prof. Pranjal Modi on 10th November, 2014. Team from Guy's hospital, London, UK came to learn robotic kidney transplant.
- Prof. Pranjal Modi was honored for his work for development on deceased donor transplantation at Vadodara (22nd June), at Air Force station, Jamnagar (5th December) and at Surat (20th December).
- Dr. Chirag Patel for clearing National Board Examination in DNB - Genito Urinary Surgery (Urology) - December, 2014.
- Dr Javid Qadri to Dr G M Phadke Travelling fellowship at USICON 2014.

PUBLICATIONS

Department of Nephrology

1. Renal tubular acidosis: an uncommon cause of bad obstetric history. Jain SH, Sainarersh VV, Patel HV, Trivedi HL. J Obstet Gynaecol India. 2014;64(Suppl 1):34-5.
2. Regulatory T-cells support stem cell therapy in safe minimization of immunosuppression in living donor renal transplantation. Trivedi HL, Vanikar AV, Patel HV, Kute VB, Dave SD. J Stem Cell Res Ther. 2014; 4(10):1-8.

Department of Urology

1. Laparoscopic repair of urogenital fistulae: A single centre experience. Sharma S, Rizvi SJ, Bethur SS, Bansal J, Qadri S, Modi P. J Min Access Surg. 2014;10(4):180-4.

Department of Anaesthesia

1. Effect of intraoperative human albumin on early graft function in renal transplantation. Shah RB, Shah VR, Butala BP, Parikh GP. Saudi J Kidney Dis Transpl. 2014;25:1148-53
2. Anesthetic management of pediatric with congenital heart disease with pulmonary hypertension. Singh RD, Parikh GP, Butala BP. Saudi J Anaesth. 2014;8, Suppl S1:127-8.
3. Triad of Idiopathic Thrombocytopenic Purpura, Preeclampsia, and HELLP Syndrome in a Parturient: A Rare Confrontation to the Anesthetist.

Mehta T, Parikh GP, Shah VR, Case Rep Anesthesiol. 2014;2014:139694.

4. A case of guidewire embolism during central venous catheterization: Better safe than sorry! Parikh GP, Shonde S, Shah R, Kharadi N. Indian J Crit Care Med 2014;18:831-3.
5. Diagnostic value of different screening tests in isolation or combination for predicting difficult intubation: A prospective study. Mehta T, Jayaprakash J, Shah V. Indian J Anaesth 2014;58:754-7.
6. Successful recovery from iatrogenic severe hypernatremia and severe metabolic acidosis resulting from accidental use of inappropriate bicarbonate concentrate for hemodialysis treatment. Bhosale GP, Shah VR. Saudi J Kidney Dis Transpl 2015;26:107-10.

Department of Pathology, Lab Medicine, Transfusion Services and Immunohematology

1. Membranous nephropathy with MPO-ANCA-associated crescentic GN. Kanodia KV, Vanikar AV, Patel RD, Suthar KS, Nigam L, Kute VB, Trivedi HL. Nephro-Urology Monthly. 2014; 6(6):e20701.
2. Diagnosis and management of atypical hemolytic uremic syndrome in children: single centre experience. Patel RD, Vanikar AV, Gumber MR,

Kanodia KV, Suthar KS, Patel HV, Trivedi HL. Indian J Hematol Blood Transfus. 2014;30(4):342-346.

3. T-regulatory cells: the recently recognized players of immunomodulation. Vanikar AV, Trivedi HL. J Stem Cell Res Ther 2014;4(10):1-6.

Department of Stem Cell Therapy and Regenerative Medicine

1. Treatment of a Type-1 diabetic adolescent male with mitral valve prolapse with his mother's insulin secreting adipose tissue derived mesenchymal stem cells and bone marrow derived haematopoietic stem cells. Thakkar UG, Vanikar AV, Trivedi HL, Dave SD. Sri Lanka Journal of Child Health, 2014; 43(4): 231-233.

Department of Gastrointestinal Surgery & Liver Transplantation

1. De Novo Esophageal Carcinoma in Post-liver Transplant Patient. Tank AH, Sutariya VK, Modi PR. Int J Organ Transplant Med. 2014;5(4):175-177.
2. Impacted Mechanical Lithotripter Basket with Broken Traction Wires and Retained Stone after Endoscopic Retrograde Cholangiopancreatography: Case Report. Sutariya VK, Tank AH. RJPBCS 2014;5(4):52-53.

CONFERENCE PARTICIPATION

Department of Pathology, Lab Medicine, Transfusion Services and

Immunohematology

25th Annual Conference of Indian Society of Organ Transplantation, Aurangabad from 30-31 Oct, 01 Nov 2014.

- Stem cell therapy in renal transplantation: Past, present and future. Vanikar AV.

38th Annual Conference of Gujarat Association of Pathologists & Microbiologists (GAPM), Gandhinagar (Ahmedabad) 29th - 30th Nov 2014.

- Diabetes Mellitus: Current Understanding And Newer Insights Into "Causation To Cure" Vanikar AV.
- Nondiabetic Renal Diseases In Diabetes Mellitus – Kanodia KV. ISNCON, Koklata, from 18-21, December 2014
- Diabetes Mellitus: Management and Role of stem cell therapy: Vanikar AV.

Transplantation Update 2015 at IKDRC-ITS, Ahmedabad from 9th to 11th January, 2015

Oral Session:

Department of Nephrology and Transplantation Medicine

- Oration: Regulatory T Cells, the New Players in Transplantation Tolerance. Trivedi HL
- Renal transplantation in HCV Positive patients: IKDRC-ITS experience. Shah PR
- Increasing Access to Kidney Transplantation: The Indian Single Center Experience with Kidney Paired Donation. Kute

VB

- Secondary Amyloidosis. Kute VB
- Immunosuppression: Which is the Best Option. Patel HV

Department of Pathology, Lab Medicine, Transfusion Services and Immunohematology

- Early Experience With Thymic And Portal Co-Infusion Of Donor Adipose-Derived Mesenchymal, Hematopoietic And Insulin Secreting Cells Pre-Transplant And Regulatory T-Cells Post-Transplant In Chronic Renal Failure Due To Diabetic Nephropathy. Vanikar AV
- Ahmedabad Induction Protocol Renders Safe and Stable Long-Term Renal Allograft Function on Minimum Immunosuppression. Vanikar AV
- Pathology of Antibody Mediated Injury. Kanodia KV.
- Stem Cells: A Perspective From In Vitro Generation: Our Experience. Dave SD

Department of Urology and Transplantation Surgery

- Vaginal Insertion of Kidney Followed By Laparoscopic and Robotic Assisted Laparoscopic Kidney Transplantation. Modi PR
- Simultaneous Combined Liver-Kidney Transplant for Type-1 Primary Oxalosis. Modi PR
- Institutional Experience of Dual Kidney Transplant From Expanded Criteria Deceased Donors. Rizvi SJ

Department of Anaesthesia and Critical Care

- Post Liver Transplant Care. Bhosale G

Department of Radiodiagnosis and Imaging

- Pulmonary Infections on Post Renal Transplant Patients: Role of HRCT. Gandhi S

Young Investigators Awards:

1. In-Vitro Generation of IL-10 Secreting B-Regulatory Cells from Donor Adipose Tissue Derived Mesenchymal Stem Cells and Recipient Peripheral Blood for Potential Cell Therapy: An Initial Experience. Gupte: KS
2. Co-Infusion Of Insulin-Secreting Adipose Tissue Derived Mesenchymal Stem Cells And Hematopoietic Stem Cells Along With CD4+CD25highCD127low forkheadBox P3 (Foxp3+)T-Regulatory Cells: Preliminary Experience For Treatment Of Type-1 Diabetes Mellitus. Thakkar UG
3. Adjuvant Stem Cell Therapy With Living Donor Renal Transplantation Offers Better Outcome In Lupus Nephritis With Chronic Renal Failure As Compared To Conventional Transplantation. Nigam LK
4. Evaluation of Renal allograft biopsies of Ahmedabad tolerance induction protocol patients and comparison with non-protocol patients. Vinay KS
5. Clinico-pathological evaluation of BK Virus Nephropathy in Renal Transplantation - A Single Centre Experience. Suthar KS

DONATIONS

6. Infusion of in vitro generated regulatory T-Cells help in safe minimization of immunosuppressant in kidney transplantation: Initial Experience. Patel KK

Abstracts of Distinction

1. Assessment of Antigenic-Specificity of in Vitro Generated Mesenchymal Stem Cells Derived Allogeneic Regulatory-T cells. Dave SD
2. Living Donor Renal Transplantation with Adjuvant Stem Cell Therapy Offers Better Outcome in Chronic Renal Failure Due to Primary Focal Segmental Glomerulosclerosis than Transplantation without Stem Cell Therapy. Patel V

Poster of Distinction

Evaluation of effect of supplementary L-glutamine and Non-essential amino acids on in-vitro generation of adipose tissue derived mesenchymal stem cells. Patel CN

Name of the Donor

Amount

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Metchem Corporation	500000
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Shri Anilbhai Navnitlal Parikh	50000
Shri Chandravadan Shantilal Shah	50000
Donations Below Rs. 50000/-	1041752

TOTAL

6292863

APPEAL

We request all the readers and our well wishers to donate generously for our poor patients suffering from kidney and related diseases. Now liver failure patients are also getting enrolled in this waiting list.

DONATIONS GIVEN TO THE INSTITUTE ARE GRANTED 175% EXEMPTION UNDER INCOME TAX ACT 1961, CLAUSE 35 (i) (ii), notification number 46/2008 (F 203/8/2008/ITA- II).



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