CURRICULUM VITAE

**Name:** Deepak Shankar Ray

**Date of Birth:** 10th November 1955

**Sex:**  Male

**Qualifications & Training**:

MBBS (Utkal University)-1980

MD (Gen. Medicine)

(Utkal University)-1984

(By thesis and examination)

DM (Nephrology)

(AIIMS, New Delhi)-1998

(By thesis and examination)

Fellowship in Renal Medicine in St. James’s University Hospital, Leeds, U.K. under Prof. Alex M. Davison, B.Sc., FRCP - 1995

**Present Position:**

**Chief Nephrologist and Head,**

Nephrology & Transplantation,

R N Tagore International Institute of Cardiac Sciences Hospital, (Narayana Health),124,Mukundapur,

Kolkata- 700099.

**Clinical Governance lead**

(Kidney Transplantation),

Narayana Health Group of Hospitals

**Address:**

703, Prathama, Utalika, Mukundapur, Kolkata-700010.

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**Work Experience:**

From January 2005 I am working as the Chief Nephrologist and Head of The Department of Nephrology and Transplantation in R N Tagore International Institute of Cardiac Sciences Hospital, (Narayana Health), Kolkata and Clinical Governance Lead (Renal Transplantation), Narayana Health Hospitals.

Presently the hospital has 80 dialysis stations and we do around 6500 dialysis sittings in a month. We also perform around 500 kidney transplantations every year. We are one of the early centres to start paired exchange donor transplant programme (in 2006) in the country. We are also the only centre performing “ABO- Incompatible” renal transplants in Eastern India.

We are running a successful DNB (Nephrology) programme since 2008. We also run Dialysis Technician Diploma course for last 13 years under West Bengal Technical University. Besides we have trained a number of doctors, nurses and technicians in dialysis and transplantation from both governmental and non-governmental organisations.

I worked as a Senior Consultant Nephrologist in Seven Hills Hospital, Visakhapatnam from May 2001 to January 2005. The Hospital is a multi-specialty 250 bedded hospital, which provides both acute and chronic nephrology care including all varieties of Renal Replacement Therapy & runs a successful Transplant Programme

I worked as a Consultant Physician and Nephrologist from 1984 to May 2001(except for the period of fellowship in Leeds, UK and the DM training in Nephrology from AIIMS, New Delhi) for Indian Railways. In Railways, I established the acute and chronic renal disease care programmes. I established the first haemodialysis unit of Eastern India (amongst the Central Governmental Hospitals).

**Teaching Experience:**

Have been a teacher for DNB (Nephrology) trainees for 15 years in the present hospital.

Earlier have been a teacher for DNB (Medicine) trainees for 7 years in the Central Hospital S. E. Railway, Garden Reach, Kolkata in 1990s.

We also run dialysis technician course for last 16 years, recognized by West Bengal Technical University.

Have been guide to 10 students of DNB (Nephrology) in their theses.

Have been the Co-guide in 8 theses of DNB students of different departments.

**Areas of Interest:**

ABO Incompatible Transplantation. Have done more than 300 ABO-Incompatible Kidney Transplantations. Has multiple publications of various original work on ABO-Incompatible Renal transplantation in indexed journals. Have also edited a book on “ABO- Incompatible transplantation” published by Elsevier with contribution from national and international authors. Conducts regular ABOI workshops for young transplant physicians from all corners of the nation (Four till date).

**Awards and Recognitions**:

Awarded Fellowship of Indian Society of Organ Transplantation (FISOT) in 2018 by Vice President of India.

Awarded Fellowship of Indian Society of Nephrology (FISN) in 2017.

Received Mentee award in TTS Congress at Buenos Aires in September 2022.

Felicitated by “Times of India” group for work in Nephrology in May, 2021 in Goa.

Felicitated by “NRS Medical College, Kolkata in 2017 for continuous

Received Chairman’s award for excellence in professional work from NH group of Hospital in 2015.

Awarded “Manav Sewa Samman” by Spur India for contribution in the field of Medicine and Service to Humanity in Delhi in 2019.

Appointed as “Transplant Champion” by The Transplantation Society ( The Global Body for Transplantation) to help improve access to transplantation throughout the world without regard to race, religion or socio-economic circumstances of the individual or of the region.

**Conferences Organised :**

(at National & Zonal level)

Organised the “Transplant Colloquium” at national level in May 2022 at Kolkata

Organised the “Transplant Colloquium” at national level in January 2020 at Kolkata

Organised the “Transplant Colloquium” at national level in January 2019 at Kolkata.

Organised the “Transplant Colloquium” at national level in January 2018 at Kolkata.

Organised the ”Student Connect Programme” for Post-Doctoral Students at national level in October 2017 at Kolkata.

Organised the Indian Society of Nephrology (East Zone) conference in Dooars, West Bengal in December 2016.

Organised the annual national conference of “Indian Academy of Nephrology” at Port Blair in August 2012.

Jointly organized the annual national conference of Indian Society of Nephrology at Visakhapatnam in 2003.

Organised the annual conference of Indian Society of Nephrology (East Zone) in 1999 in Kolkata, West Bengal.

Have conducted regular ABO-Incompatible Transplant workshops (4 till date) for young nephrologists from all over the country.

**Editorial and Reviewer work**:

Member of Editorial Board of “Indian Journal of Nephrology”.

Edited book on “ABO-incompatible kidney transplantation” published by Elsevier in 2016.

Reviewers to the following journals:

* + Clinical Transplantation
  + Seminars on Dialysis
  + Saudi Journal of Kidney Diseases and Transplantation
  + Indian Journal of Nephrology

**Contributions to Books:**

Contributed chapter on “ABO-incompatible Renal transplantation in search of Affordable Preconditioning Protocol” in the book ABO-incompatible Kidney Transplantation, published by Elsevier in 2016.

Contributed chapters on “Urinary Tract Infection in Pregnancy” in “Medicine Update-Volume 15” published by Association of Physicians of India, 2005 Edition.

Contributed a chapter on “Hepatorenal Syndrome-Management Strategies” in “Medicine Update-Volume 12” published by Association of Physicians of India, 2002 Edition.

**Papers Published:**

(In Indexed Journals) (Mostly as 1st or, corresponding author).

Published paper on “Is it safe to undergo living donor kidney transplant within 2 weeks following COVID-19? inThe Lancet Regional Health - Southeast Asia 2023-08

Published paper on “A Multicenter Retrospective Cohort Study on Management Protocols and Clinical Outcomes After ABO-incompatible Kidney Transplantation in India, inTransplantation

2023-08-29

# Published paper on “Renal Paratransplant Hernia: An Iatrogenic Surgical Emergency” in Indian Journal of Surgery, 21 June,2023

Clinical Perspectives towards Improving Risk Stratification Strategy for Renal Transplantation Outcomes in Indian Patients, published in *Indian Journal of Transplantation* 16(2):p 145-154, Apr–Jun 2022.

Consensus Statement on Organ Donation from COVID-Positive Deceased Donors-Indian Society of Organ Transplantation, Liver Transplant Society of India and Indian Society for Heart and Lung Transplantation

*Indian Journal of Transplantation*16(1):p 8-16, Jan–Mar 2022.

Published paper on “Living Donor Kidney Transplantation in a Covid-19-Recovered Donor– Recipient Pair - A Case Report.”

*Indian Journal of Nephrology*32(3):p 268-270, May–Jun 2022.

A Multicenter Cohort Study From India of ABO-Incompatible Kidney Transplantation in Post–COVID-19 Patients,

*Transplantation Proceedings*, Volume 54, Issue 10, 2022, p2652-2657.

Comparison of Thymoglobulin and Grafalon as Induction Agents in Renal Transplantation: A Prospective Study. *Transplantation Proceedings*. 2022-09

One-Year Outcomes with Use of Anti-T-Lymphocyte Globulin in Patients Undergoing Kidney Transplantation: Results from a Prospective, Multicentric, Observational Study from India. *Adv Ther* **39**, 4533–4541 (2022)

Published paper on “Management strategies and outcomes in renal transplant recipients recovering from COVID-19: A retrospective multicenter, cohort study” in Lancet eClinical Medicine 2022-03.

A Review of “Hyperuricemia Management with Febuxostat: Dosage Titration, Monitoring and Maintenance” in Journal of Clinical and Diagnostic Research 2022-01.

# Published paper on “Effect of Coronavirus Disease 2019 on Transplantation and Nephrology in India: A Nationwide Report From India” in Transplant Proceedings 2021-09-008

Published paper on “Impact of National Economy and Policies on End Stage Kidney Care in South Asia and South East Asia” in International Journal of Nephrology 2021-05-06.

Published paper on“A Multicenter Cohort Study From India of 75 Kidney Transplants in Recipients Recovered After COVID-19” Transplantation: July 2021-Vol 105-Issue 7 p 1423-1432.

Published paper on “Is it Safe to Be Transplanted From Living Donors Who Recovered From COVID-19? Experience of 31 Kidney Transplants in a Multicenter Cohort Study From India” in Transplantation: April 2021-Vol 105-Issue 4 p842-850.

Published paper on “Clinical Profile and Outcome of COVID-19 in 250 Kidney Transplant Recipients: A Multicenter Cohort Study From India” in Transplantation: April 2021 Volume 105-Isuue 4-p 851-860

### Published paper on,”Effect of Different Rituximab Doses on B Cell Count, Anti-A/B Antibody Titer, Graft Function, and Infectious Complications in ABO-Incompatible Renal Transplantation: A Prospective Study” in Transplantation Proceedings in April 2021 Vol 53, Issue 3, page 970-975.

### Published paper on “A Multicenter Cohort Study From India of 75 Kidney Transplants in Recipients Recovered After COVID-19” in Transplantation, 2021-03-10.

### Published paper on Is it Safe to Be Transplanted From Living Donors Who Recovered From COVID-19? Experience of 31 Kidney Transplants in a Multicenter Cohort Study From India” in Transplantation 2020-12-24

### Published article on “Clinical Profile and Outcome of COVID-19 in 250 Kidney Transplant Recipients” in Transplantation 2020-12-21.

### Published article on “An Unusual Case of a Dematiaceous Fungus with an Exclusive Cerebral Involvement After ABO-Incompatible Renal Transplantation” in American Journal of Case Reports 2020-07-20.

Published Paper on “Living Kidney Donor-Long Term Risks and Consequences” in KI Reports, July 2019, Vol 4, Issue -7, Supplement, Pages S 382-S383.

Published Paper on “Comparative Analysis of ABO-Incompatible Kidney Transplantation with ABO-Compatible Kidney Transplantation: A single Centre experience from Eastern India in Saudi Journal of Kidney Disease and Transplantation 2019:30(1):97-107.

Published “Successful Third Kidney Transplant after Desensitization for combined Human Leucocyte Antigen (HLA) and ABO-Incompatibility: A case Report and Review of Literature in American Journal of Case Reports 2019; 20:285-289.

Paper on “Long term Consequences of Complex Living Kidney Donor – Is It safe?” published in Transplant Proceedings, Vol 50:10:Dec 2018: 3185-3191.

Published Case report on “ABO-Incompatible Renal Transplantation with high antibody titre” in American Journal of Case Reports on 2017.10.06 page1073 to 1076.

Published paper on “Impact of Hepatitis C Virus infection on the clinical course short term and long-term outcome in Renal transplant Recipients- A prospective and retrospective study” Archives of Organ Transplantation, March 2017.

Published case report on “Microfilaria in Kidney” in Tropical Journal of Medical research, 2017;20:101-3

Published Case Report – Spontaneous Renal Allograft Rupture Caused by Acute Tubular Necrosis: A Case Report and Review of Literature. Case Reports in Transplantation- Volume 2017 (2017), ArticleID 9158237. doi.org/10.1155/2017/9158237.

Published article “Outcome of ABO-Incompatible Living Donor Renal Transplantation: A Single Center Experience From Eastern India” in Transplantation Proceedings, October2016,Vol,48(8):2622-2628.

Published paper on “A single arm prospective open label, multicentre study of efficacy and safety of IV CERA for treatment of chronic renal anaemia in dialysis patients not currently treated with ESA in Journal of Association of Physicians of India 2014 Mar, 62(3),232-6.

Published case report on “Three opportunistic infections in the same renal allograft recipient at the same time-Unusual case report” in Tropical Journal of Medical Research Vol17, issue 1, Jan-Jun 2014.

Published paper on “ Total Dose Iron Infusion : Safety and Efficacy in Predialysis Patients” in Renal Failure, 22(1), 39-43 (2000)

Published paper on “Total dose iron dextran infusion in anemic hemodialysis patients” in Indian Journal of Nephrology (Vol.9 No.2) April-June 1999.

Case report published on “Fabry’s disease” in Journal of Association of Physicians of India February 1997 issue.

**Guest Lectures and Orations:**

(International/National/Zonal Levels)

Delivered lecture on “What To Do If CDC And Flow Cross Match Negative And Donor Specific Antibody Positive?” At Annual Conference of Indian Society of Organ Transplantation, Kolkata, October 2023.

Delivered lecture on “ABO incompatible renal transplantation in developing countries.” At Annual Conference of Indian Society of Organ Transplantation, Kolkata, October 2023.

Delivered lecture on “ABO incompatible renal transplantation” at ESOT Congress, Athens in September, 2023.

Delivered Lecture on “Immunosuppressive Strategies for the best outcome in ABO-Incompatible kidney transplantation” in the 5th Annual Kidney Transplant Update held at Kochi in August 2023.

Delivered Lecture on “ABO Incompatible Kidney Transplantation in ESOT Annual Congress on 17th September held in September 2023.

Delivered lecture on “ABOI Transplantation to increase donor pool” in National Update on Nephrology and Transplantation Seminar in May 2023 at Delhi.

Delivered lecture on “The ABOI Transplantation” in Precision in Targeted Immunosuppression at Hyderabad in May 2022.

Delivered lecture on “Establishing a new transplant programme in tier2 and tier 3 cities” in midterm ISOT Conference at Ahmedabad in April 2023.

Delivered lecture on “ABOI Kidney transplantation in RTIICS” in Transplant Immunology Simplified Seminar at Mumbai in March 2023.

Delivered lecture on “ABOI transplantation- Immunosuppressive strategies” in ISNSCCON at Coimbatore in Feb 2023.

Delivered lecture on “Establishing a new transplant programme” in NENCON at Imphal in Feb 2023.

Delivered lecture on “Deceased donor transplantation- special considerations” in Nephrology Update at RIMS, Ranchi in Feb 2023.

Delivered lecture on “Management of Immunosuppression in Allograft Dysfunction” in ISOT conference at Nagpur in October 2022.

Delivered lecture on “Outcome of ABOI VS ABOC kidney Transplantation in Developing and Developed world” in ISOT conference at Nagpur in October 2022.

Delivered lecture on “ABOI transplantation-overcoming the fear” in ISN East Zone conference at Bhubaneswar in Sept 2022.

Delivered lecture on “ABO-incompatible Renal transplantation: can it happen in centres with limited resource?” in Midterm Conference of Indian Society of Organ Transplantation at Patna, in March 2022.

Participated as a panelist in the panel discussion on”NUDT 15-Unmasking the cause of severe leucopenia post-transplant” in Midterm Conference of Indian Society of Organ Transplantation at Patna, in Mach 2022.

Delivered lecture on”Transplant outcomes in Recipients Recovered After COVID-19” in 31st Annual Conference of The Indian Society of Organ Transplantation at Kochi in October 2021.

Delivered lecture on “Cardiac Biomarkers in CKD” in the Indian Society Of Nephrology Conference held at Chandigarh in November 2019.

Delivered Lecture on “Low Cost ABO-incompatible Renal Transplantation – The NH Experience” in the Congress of Asian Society of Transplantation held at New Delhi in September 2019.

Guest Speaker in the Nephrology and Urology and Transplantation Society of SAARC conference in April 2018 at Kathmandu, Nepal on “Managing a failing graft”.

Guest speaker in midterm conference of Indian Society of Transplantation in April 2018 at PGIMER, Chandigarh on “Low cost ABO-Incompatible Transplantation”

Guest speaker in South East Asia Nephrology Conference on “Repeat Transplantation” held at Bhubaneswar, Odisha in March 2018.

Delivered lecture on “Expanding Donor Pool” in The Indian Academy of Nephrology conference at Srinagar in June 2015.

Participated in the Symposium on “Post transplant infections” in Indian Society of Nephrology Conference in December 2013 in New Delhi.

Delivered Guest lecture on “Paired exchange donor transplants” in Indian Society of Organ Transplantation conference at Bhubaneswar in November 2013.

Guest speaker in Inter-Continental Kidney Transplant Immunosuppression Master Class at Singapore in November 2017.

Delivered lecture on “Urinary Tract Infections in Pregnancy” in Joint Annual Conference of Association of Physicians of India at Mumbai in January, 2005.

Delivered guest lecture on “Hepatorenal syndrome- management strategies” in Annual National Conference of Association of Physicians of India at Chennai in January, 2002.

Guest Lecture on CAPD in Annual Scientific Conference of Railway Association of Physicians of India at Guwahati, Assam in November, 2001.

Guest Lecture on “Acute Renal Failure in Surgical Practice” in the Annual Conference of Association of Surgeons of India, Orissa Chapter, in October, 2001 at Berhampur, Odisha.

Delivered Guest Lecture on “Primary Prevention of Diabetic Nephropathy” in CME Programme of Association of Physicians of India (West Bengal Chapter) at Calcutta in March,2001.

Delivered Guest Lecture on “Nephrotic Syndrome” in the 73rd National Conference of Indian Medical Association in January, 2001.

Delivered Guest Lecture on “CAPD” in the C.M.E. Programme of Association of Physicians of India, (West Bengal Chapter) at Haldia in October, 2000.

Clinical Case discussion on Histoplasmosis in Renal Allograft Recipient in The Annual Conference of ACCP in September, 2000.

Guest lecture on “Renal protection in Diabetes Mellitus” in the Annual CME Programme of West Bengal Chapter of Association of Physicians of India at Shantiniketan in October 1999.

Guest lecture on “Nephrologist’s role in Critical Care” in the Annual conference of Railway Chapter of Indian Society of Anesthetists at Calcutta in August 1999.

**Papers presented:**

(International/National/Zonal)

Presented paper on “Comparative study of medium term outcomes of ABO-Incompatible kidney transplantations” in The Transplantation Society Annual Congress in Buenos Aires, Argentina in 2022.

Presented paper on “Short term outcomes of Kidney Transplantation in HLA sensitised recipients-a single centre study from Eastern India” in The Transplantation Society Annual Congress in Buenos Aires, Argentina in 2022.

Presented paper on “ABO-Incompatible transplants in Covid-19 era-a single centre experience” in The Transplantation Society Annual Congress in Buenos Aires, Argentina in 2022.

Presented paper on “Study of effect of Renal Transplantation on Cardiac functions in CKD5 patients” in The Transplantation Society Annual Congress in Buenos Aires, Argentina in 2022.

Presented paper on “Outcome of ABO-Incompatible kidney transplantation during Covid-19 pandemic: a single center experience” in World Congress of Nephrology in Kuala Lumpur , Malaysia in 2022.

Presented paper on “Post Renal Transplantation Diarrhea: common infective causes and prevalence amongst high risk transplantation” in World Congress of Nephrology in Kuala Lumpur , Malaysia in 2022.

Presented paper on “Covid-19 in maintenance haemodialysis patients- clinical manifestations and outcomes” in World Congress of Nephrology in 2021.

Presented paper on “Living donor kidney transplantation in a Covid-19 recovered donor recipient pair- a case report” in World Congress of Nephrology in 2021.

Presented paper on “Comparative study of the outcome of High and Low anti-A/B titer in ABO Incompatible Renal Transplantation in World Congress of Nephrology in Abu Dhabi, UAE in 2020.

Presented paper on “Prospective study to determine efficacy of different doses of Rituximab desensitisation for ABO-Incompatible kidney transplantation” in World Congress of Nephrology, Melbourne, Australia,2019

Presented Paper on “Living Kidney Donor-Long Term Risks and Consequences” at the Melbourne, Australia in April, 2019.

Awarded best paper for “Comparison of different doses of Rituximab for desensitization of ABO-Incompatible Transplants” in the Annual Conference of Indian Society of Organ Transplantation, held at Hyderabad in October 2018.

Presented paper on “Long term Consequences of Complex Living Kidney Donor – Is It safe?” in the 27th International Congress of The Transplantation Society in July 2018 at Madrid, Spain.

Presented paper on “ABO incompatible Renal Transplantation – A Cost Effective Modality To Expand Donor Pool” in World Congress of Nephrology at Mexico City in April, 2017.

Presented paper on “ABO-Incompatible Transplantation” in Oct 2015 at Brussels in European Society of Organ Transplantation Conference.

Presented four papers on “Transplantation in Hepatitis C infected patients”, “Effect of renal transplantation on Cardiac Function”, (Transplantation across blood group barrier”, “Retrospective analysis of renal allograft biopsies in a cohort of 271 renal allograft recipients” in World Congress of Nephology at Cape Town in March 2015.

Presented paper on “Transplantation in Hepatitis C infected patients” in European Dialysis and Transplantation Congress at Istanbul in May 2013.

Presented paper on “Urinary Tract Infection in Transplant allograft recipients” in Indian Society of Organ Transplantation at Mumbai in October 2012.

Presented paper on “Paired Donor Exchange Transplant Programme“ in the World Congress of Transplantation at Vancouver in August 2010.

Presented paper on “Two doses Dacluzimab in prevention of Acute Rejection in Live Donor Transplants” in the World Congress of Transplantation at Sydney in August 2008.

Presented papers on “Pegylated Interferon in end stage renal disease patients on maintenance Haemodialysis”, “Profile on hepatitis c infection in a large urban centre in Eastern India” and “Entecavir in patients of CKD with heapatitis B infection on maintenance Haemodialysis (preliminary report)” in World Congress Of Nephrology at Rio De Janeiro, Brazil in April, 2007.

Presented paper on “Role of N-Acetylcysteine in contrast induced Nephropathy” in World Congress of Nephrology held at Berlin, Germany in June, 2003.

Presented paper on “Angioplasty in flash pulmonary oedema in renal artery stenosis” in Annual Conference of Indian Society of Nephrology, at Jaipur, in September, 2002.

Presented paper on “Temporary dialysis catheter related bacteremia- a prospective study” in annual conference of Indian Society of Nephrology in September, 2001 at Lucknow, India.

Presented Paper on “Acute Renal Failure due to Leptospirosis in Calcutta” in the Annual Conference of Indian Society of Nephrology, in November, 2000 in Mumbai.

Paper presented on “Study of Leucocyte Scintigraphy in Small Vessel Vasculitis involving kidney” in the Annual Conference of Indian Society of Nephrology in November,1999 at Patna.

Paper (Leucocyte Scintigraphy in ANCA Associated Vasculitis with Renal Involvement- A Prospective Study) presented in International Congress of Nephrology at Buenos Aires, Argentina in May 1999.

Paper presented on “Spectrum of Acute Renal Failure in Railway Hospitals of Eastern India” in the Nephrology, Urology, Transplantation Conference of SAARC countries at Colombo, Sri Lanka in February,1999.

Paper presented on “Study of urinary tract infection in renal Allograft recipients” in 54th Joint Annual Conference of association of Physicians of India.

Paper presented on “Total dose iron infusion in chronic renal failure” in 54th Joint Annual Conference of Association of Physicians of India.

Paper presented on “An analysis of cases of AIRF needing dialysis in railway hospitals of Eastern India” at 2nd International Congress on Dialysis in October, 1996 at Singapore.

Best paper award in Rapicon, 1996 at Madras for the paper on “Spectrum of Acute Intrinsic Renal Failure in Railway Hospitals”

Best paper award in Railway conference, Calcutta in 1996 for the paper on “SLE Nephropathies, our experience”.

Juthica Majumdar Memorial Award for best paper presentation on “Subclavian Catheterisation” in 1990.

Dr. Ramdas Memorial Award for the best paper presentation in 1989 on “Spectrum of kidney diseases in railway hospitals of Eastern India”.