

## **Jeevan Prakash Gopal MBBS, MS, MRCS**

I am a surgical trainee with a great passion for beta cell replacement and intestine/multi-visceral transplantation. My vision is to exponentially increase the number of organs available for transplantation by generating evidence for using extended criteria organs and utilising machine & technology.

### **Professional address and contact information:**

Department of General Surgery

1<sup>st</sup> floor, Surgical trainee's office

The Queen Elizabeth Hospital, Gayton Road, King's Lynn PE30 4ET

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### **Registrations and licenses:**

General Medical Council, UK-7600210 (March 2018-Present)

Tamil Nadu Medical Council, India-92921 (May 2011-Present)

West Bengal Medical Council, India- 77888 (February 2018-Present)

### **Membership in professional organisations:**

Royal College of Surgeons of Edinburgh- 137574

British Transplantation Society-11293

European Society of Organ Transplantation- 42222

Associations of Surgeons of India- FL 33614

**Qualifications:**

<b>DEGREE</b>	<b>INSTITUTION</b>	<b>YEAR AWARDED</b>
MS (Master of Surgery) General Surgery	Stanley Medical College  Tamil Nadu Dr MGR Medical University, India	2016
MBBS (Bachelor of Medicine and Bachelor of Surgery)	Tirunelveli Medical College  Tamil Nadu Dr MGR Medical University, India	2010

**Training information:**

Specialty training in Vascular Surgery	Health Education England-East of England	October 2022 to Present
Residency in General Surgery	Stanley Medical College & Hospital  Tamil Nadu Dr MGR Medical University, India	July 2013 to July 2016
Rotating Internship	Tirunelveli Medical College & Hospital  Tamil Nadu Dr MGR Medical University, India	March 2010 to March 2011

**Certifications:**

1. National Organ Retrieval Service (NORS) -Multi-organ abdominal retrieval-NHS Blood and Transplant (NHSBT-UK)-July 2022.
2. Advanced Trauma Life Support-Provider -Royal College of Surgeons (RCS) England, July 2021 (Valid until July 2024).

## **Employment history:**

### **Employment 1:**

- ST3-General Surgery
- October 2022-Present (Full time post)
- The Queen Elizabeth Hospital NHS Foundation Trust, King's Lynn-UK

### **Employment 2:**

- Senior clinical fellow in Transplant, Dialysis Access & General Surgery
- September 2021-September 2022, Full time post
- Manchester Royal Infirmary, Manchester University NHSFT, Manchester-UK

### **Employment 3:**

- Senior clinical fellow in Transplant & Dialysis Access Surgery
- May 2018-August 2021, Full time post
- Hammersmith Hospital, Imperial College Healthcare NHS Trust, London-UK

### **Employment 4:**

- Senior registrar in General surgery
- August 2017- February 2017, Full time post
- Apollo Gleneagles Hospitals, Kolkata, West Bengal, India

### **Employment 5:**

- Senior Resident in Department of General Surgery
- April 2017-July 2017, Full time post
- Chettinad Hospitals & Research Institute, Kelambakam, Tamil Nadu, India

### **Employment 6:**

- Registrar in Centre for Liver Disease and Transplantation
- August 2016-April 2017, Full time post
- Apollo Hospitals, Greams Road, Chennai, Tamil Nadu, India

### **Employment 7:**

- Post Graduate in General Surgery
- June 2013-June 2016, Full time post
- Government Stanley Medical College, Chennai, Tamil Nadu, India

### **Educational grants:**

1. European Society of Organ Transplantation, Educational scholarship 2019, (1000 Euros)
2. European Society of Organ Transplantation, Educational scholarship 2023, (1000 Euros)

### **Awards:**

1. Silver Jubilee prize medal (Gold medal) for postgraduates in General Surgery in Stanley Medical College, Chennai, Tamil Nadu, India-April 2016.
2. First prize in poster presentation in ASICON, 75<sup>th</sup> national surgical conference, Gurgaon, India- December 2015.

### **Academic highlights:**

1. Shortlisted for Medawar Medal (Clinical) in the Annual Congress of the British Transplantation Society-March 2020.
2. Shortlisted for Medawar Medal (Clinical) in the Annual Congress of the British Transplantation Society-February 2021.
3. Shortlisted for Medawar Medal (Clinical) in the Annual Congress of the British Transplantation Society-March 2023.

### **Local lead for national audit:**

NTACT-National Theatre Access to Transplantation audit

### **Lead role in local audits:**

1. An audit of outcomes between thromboelastogram directed anticoagulation and routine anticoagulation in simultaneous kidney pancreas transplant recipients.
2. Comparison of metabolic outcomes after pancreas transplantation between DBD (donation after brainstem death) & DCD (donors after circulatory death) grafts.
3. The impact of repeat HLA mismatches in pancreas after kidney transplantation.
4. The yield of lymph node biopsy in kidney and kidney-pancreas transplantation.
5. Outcomes of pancreas transplantation in BAME
6. Comparison of outcomes between energy-device based and conventional tie ligation-based bench preparation of deceased donor pancreas transplantation
7. Turn down audit
8. Declined organ offers audit
9. Re-audit of timings of organ procurement by National Organ Retrieval Service-Manchester, North West of England.

### **Master's thesis:**

Quality of life assessment after MRM in early breast cancer patients- Thesis accepted for awarding MS in General surgery by The Tamil Nadu Dr MGR Medical University, Chennai, India-2016

### **Lab based research:**

Continuous online micro dialysis as a novel tool for continuous creatinine measurement and parenchyma assessment during normothermic machine perfusion in a translational ex-vivo porcine kidney model.

### **National registry analysis:**

1. Comparison of metabolic outcomes after pancreas transplantation between DBD (donation after brainstem death) and DCD (donors after circulatory death) grafts-The UK transplant registry analysis
2. Outcomes and utilisation of simultaneous pancreas kidney transplantation from older donors-The UK transplant registry analysis (on going)

### **Publications:**

#### **Original articles:**

1. **Gopal JP**, Dor FJMF, Crane JS, Herbert PE, Papalois VE, Muthusamy ASR. Anticoagulation in simultaneous pancreas kidney transplantation - On what basis? *World J Transplant* 2020; 10(7): 206-214. doi:10.5500/wjt.v10.i7.206. PMID: 32844096; PMCID: PMC7416362.
2. **Gopal JP**, McLean A, Crane J, Herbert P, Papalois V, Dor FJMF, Muthusamy ASR. Pancreas transplantation in Black, Asian, Minority Ethnic patients-Single center experience. *Transpl Int*. 2022 Jun 15;35:10490. doi: 10.3389/ti.2022.10490. PMID: 37581938; PMCID: PMC9240992.

#### **Review articles:**

1. Bellini MI, **Gopal JP**, Hill P, Nicol D, Gibbons N. Urothelial carcinoma arising from the transplanted kidney: A single-center experience and literature review. *Clin Transplant*. 2019 Jun;33(6):e13559. doi:10.1111/ctr.13559. Epub 2019 Apr 23. PMID: 30942927
2. **Gopal JP**, Papalois VE. COVID-19 pandemic: Building organisational flexibility to scale transplant programs. *World J Transplant* 2020 Oct 18; 10(10):

277-282. doi:10.5500/wjt.v10.i10.277. PMID: 33134115; PMCID: PMC7579434.

#### Short Report (Observational clinical trial):

1. **Gopal JP**, Vaz O, Varley R, et al. Using Laser speckle contrast imaging to quantify perfusion quality in kidney and pancreas grafts on vascular reperfusion: a proof-of-principle study. *Transplantation Direct*. 2023;9(5):e1472. doi: 10.1097/TXD.0000000000001472. PMID: 37090123; PMCID: PMC10118345.

#### Case reports:

1. **Gopal JP**, Taube D, Martin J, Deplano S, Desai S, Papalois V, Muthusamy AS. Transfusion-Dependent Anemia in a Simultaneous Pancreas and Kidney Transplant Recipient. *Case Rep Transplant*. 2020 Apr 8;2020:2841456. doi:10.1155/2020/2841456. PMID: 32328336. PMCID: PMC7168697.

2. **Gopal JP**, Jackson JE, Palmer A, Taube D, Muthusamy ASR. Gastrointestinal Bleeding in a Pancreas Transplant Recipient: A Case to Remember. *Am J Case Rep*. 2020 Aug 28;21:e923197. doi:10.12659/AJCR.923197. PMID: 32855381. PMCID: PMC7476742.

3. **Gopal JP**, Charalampidis S, Xiang J, Dor FJMF, Papalois VE. Renal transplantation in gigantism: A case report. *World J Transplant* 2022; Apr 18;12(4): 65-71. doi:10.5500/wjt.v12.i4.65. PMID: 35633851. PMCID: PMC9048442.

#### Book chapters:

1. Muthusamy ASR, **Gopal JP**, Papalois VE . Deceased donor pancreas procurement. *Transplantation, Bioengineering and Regeneration of Endocrine Pancreas*, Volume 1, Chapter 6, Academic press; 2020:69-79. <https://doi.org/10.1016/B978-0-12-814833-4.00006-X>

2. Muthusamy ASR, **Gopal JP**, Papalois VE. Surgical back-table procedures. *Transplantation of the pancreas*, 2<sup>nd</sup> edition, Section 2, Chapter 11, Springer; 2022-In press

### Non-peer reviewed publications:

1. **Gopal JP**, Papalois VE. Delivery of surgical services during the COVID-19 Pandemic: A succinct review- Surgical Life: The Journal of the Association of Surgeons of Great Britain and Ireland, Number 57, 2020.
2. **Gopal JP**, Papalois VE. Kidney transplantation from uncontrolled donation after circulatory death-The first patient in the UK. The Journal of the Association of Surgeons of Great Britain and Ireland, *Surgery* paper 8, 2021

### Conference abstracts:

1. Ramli R, **Gopal J**, Reddy M, Oliver N, McLean A, Muthusamy A. Glucagonlike peptide-1 (GLP-1) agonist in pancreas transplant recipients with partial graft function: A case series [abstract]. Diabetic Medicine. 2019; (Vol. 36, pp. 14-14).
2. **Gopal JP**, Cosgrave D, Townsend D, Papalois V, Herbert P, Crane J, Dor F, Muthusamy A. Anticoagulation in Simultaneous Pancreas Kidney (SPK) Transplantation- On What Basis? [abstract]. Transpl Int. 2019; (Vol. 32, pp. 264-264).
3. **Gopal JP**, Herbert P, Crane J, Dor FJ, Papalois V, Muthusamy A. Delayed Vascular Complications After Pancreas Transplantation-A Single Centre Experience [abstract]. Transpl Int. 2019; (Vol. 32, pp. 421-421).
4. Charalampidis S, Gowers S, Rogers M, **Gopal J**, Housby N, Learney R, Boutelle M, Papalois V. Continuous Online Microdialysis as a Novel Tool for Continuous Creatinine Measurement and Parenchyma Assessment during Normothermic Machine Perfusion in a Translational Ex Vivo Porcine Kidney Model [abstract]. Transpl Int. 2019; (Vol. 32, pp. 425-425).
5. **Gopal J**, McLean A, Crane J, Herbert P, Dor F, Reddy M, Taube D, Papalois V, Muthusamy A. Comparison of Metabolic Outcomes after Pancreas Transplantation between DBD (Donors after Brainstem Death) and DCD (Donors after Circulatory Death) Grafts [abstract]. Am J Transplant. 2020; 20 (suppl 3).
6. **Gopal J**, Herbert P, Crane J, Dor F, Papalois V, Muthusamy A. Anticoagulation in Simultaneous Pancreas Kidney (SPK) Transplantation- On What Basis?



[abstract]. Am J Transplant. 2020; 20 (suppl 3).

7. **Gopal J**, McLean A, Muthusamy A. Metabolic outcomes of pancreas transplant alone from donation after circulatory death donors-The UK registry analysis [abstract]. Transpl Int. 2021; (Vol. 34, pp. 174).

8. **Gopal J**, McLean A, Muthusamy A. Metabolic outcomes after pancreas transplantation from donors after circulatory death-The UK registry analysis [abstract]. Transpl Int. 2021; (Vol. 34, pp. 207).

9. **Gopal J**, McLean A, Crane J, Dor F, Herbert P, Papalois V, Muthusamy A. Pancreas transplantation in Black, Asian and Ethnic Minorities-A single centre experience in the UK [abstract]. Transpl Int. 2021; (Vol. 34, pp. 354).

10. **Gopal J**, Charalampidis S, Xiang J, Dor F, Papalois V. Renal transplantation in gigantism-A case report and review of the literature [abstract]. Transpl Int. 2021; (Vol. 34, pp. 360).

11. **Gopal J**, McLean A, Muthusamy A. Metabolic outcomes after simultaneous pancreas kidney transplant from donation after circulatory death donors-The UK registry analysis [abstract]. Am J Transplant, 22, 851-851, 2022.

12. **Gopal J**, McLean A, Muthusamy A. Metabolic outcomes after pancreas transplant alone from donation after circulatory death donors-The UK registry analysis [abstract]. Am J Transplant, 22, 848-848, 2022.

### **International oral presentations as 1<sup>st</sup> author::**

1. Refractory anaemia in a simultaneous kidney pancreas transplant recipient- A case report- 31st PanHellenic National Surgical Conference, Athens, Greece- November 2018.

2. Transfusion-dependent anaemia in a simultaneous kidney pancreas transplant recipient- Henrik Ekberg award presentation, Academia, European Society of Organ Transplantation, Rome, Italy-February 2019.

3. Anticoagulation in simultaneous pancreas and kidney (SPK) transplantation-On

what basis?- 19th Biennial Congress of European Society of Organ Transplantation, Copenhagen, Denmark- September 2019.

4. Comparison of metabolic outcomes after pancreas transplantation between DBD and DCD grafts- 10th European Pancreas and Islet Transplant Association symposium, Innsbruck-Igls, Austria-January 2020.

5. Comparison of metabolic outcomes after pancreas transplantation between DBD and DCD grafts-Medawar Medal presentation, Annual Congress of British Transplantation Society, Belfast, UK-March 2020.

6. Pancreas transplantation in Black, Asian and Minority Ethnic Patients-Single centre experience in the UK-11th European Pancreas and Islet Transplant Association symposium, Online-January 2021.

7. Pancreas transplantation in Black, Asian and Minority Ethnic Patients-Single centre experience in the UK- Medawar Medal presentation, Annual Congress of British Transplantation Society, Online-February 2021.

8. Metabolic outcomes after pancreas transplantation from donation after circulatory death donors-The UK registry analysis, 20th Biennial Congress of the European Society of Organ Transplantation-Milan, Italy-August 2021.

9. Metabolic outcomes after pancreas transplant alone from donation after circulatory death donors-The UK registry analysis, 20th Biennial Congress of the European Society of Organ Transplantation-Milan, Italy-August 2021.

10. Metabolic outcomes after pancreas transplant alone from donation after circulatory death donors-The UK registry analysis, Annual Congress of British Transplantation Society, Belfast, UK-September 2022.

11. Metabolic outcomes after pancreas transplant alone from donation after circulatory death donors-The UK registry analysis-6 of the best oral presentations-12th European Pancreas and Islet Transplant Association symposium, Innsbruck-Igls, Austria-January 2023.

12. Utilisation and clinical outcomes of simultaneous pancreas kidney transplantation from older donors-A single centre experience- Medawar Medal

presentation, Annual Congress of British Transplantation Society, Edinburgh-March 2023.

13. STREptokinase flush in Pancreas Transplantation from Donation after Circulatory Death donors: STREPP (DCD)-Proof-of-concept study-Dragon's Den competition session, Annual Congress of British Transplantation Society, Edinburgh-March 2023.

14. Utilisation and clinical outcomes of simultaneous pancreas kidney transplantation from older donors-A single centre experience, 18<sup>th</sup> Congress of the Middle Eastern Society of Transplantation, Ankara, Turkey-May 2023.

#### **National oral presentations as 1<sup>st</sup> author:**

1. Vascular complication after pancreas transplantation-A case report-UK Pancreas Transplant Forum, London, UK May 2019.
2. Organ offers-declines and acceptance at WLRTC-Pan London Transplant Collaborative, London, UK-December 2019.
3. Pancreas transplantation in BAME-WLRTC experience. UK Pancreas Transplant Forum, Online, November 2020.
4. Implant it or not? Two challenging cases. UK Pancreas Transplant Forum, Edinburgh, UK, May 2022.

#### **International poster presentations:**

1. Anticoagulation in simultaneous kidney pancreas transplantation-On what basis? -Annual Congress of British Transplantation Society, Harrogate, UK-2018
2. Delayed vascular complications after pancreas transplantation-A single centre experience- 19<sup>th</sup> Annual Congress of European Society of Organ Transplantation, Copenhagen, Denmark-2019
3. Continuous online micro dialysis as a novel tool for continuous creatinine measurement and parenchyma assessment during normothermic machine

perfusion in an ex vivo porcine kidney model-19<sup>th</sup> Annual Congress of European Society of Organ Transplantation, Copenhagen, Denmark-2019

4. Repeat HLA mismatches in pancreas transplantation- 10<sup>th</sup> Annual Congress of European Pancreas and Islet Transplant Association, Innsbruck-Igls, Austria-January 2020.

5. Anticoagulation in simultaneous kidney pancreas transplantation-On what basis? -American Transplant Congress, Philadelphia, USA-2020

6. Comparison of metabolic outcomes after pancreas transplantation between DBD and DCD grafts- American Transplant Congress, Philadelphia, USA-2020

7. Pancreas transplantation in Black, Asian and Minority Ethnic Patients-Single centre experience in the UK- 20<sup>th</sup> Biennial Congress of European Society of Organ Transplantation, Milan, Italy-August 2021.

8. Renal transplantation in gigantism-A Case report and review of literature-20<sup>th</sup> Biennial Congress of European Society of Organ Transplantation, Milan, Italy-August 2021.

9. Metabolic outcomes after pancreas transplantation from donation after circulatory death donors-The UK registry analysis, American Transplant Congress, Boston, USA-June 2022

10. Metabolic outcomes after pancreas transplant alone from donation after circulatory death donors-The UK registry analysis, American Transplant Congress, Boston, USA-June 2022

11. Metabolic outcomes after pancreas transplantation from donation after circulatory death donors-The UK registry analysis, Annual Congress of British Transplantation Society, Belfast, UK-September 2022

12. The yield of iliac lymph node biopsy in kidney and pancreas transplantation, Annual Congress of British Transplantation Society, Belfast, UK-September 2022

13. Comparison of outcomes between energy-device based and conventional tie ligation-based bench preparation of deceased donor pancreas transplantation, Annual Congress of British Transplantation Society, Belfast, UK-September 2022

14. Using Laser speckle contrast imaging to quantify perfusion quality in kidney and pancreas grafts on vascular reperfusion: a proof-of-principle study, Annual Congress of British Transplantation Society, Edinburgh, UK-March 2023

15. Kidney transplantation from donors with acute kidney injury: Are the concerns justified? A systematic review and meta-analysis, Annual Congress of British Transplantation Society, Edinburgh, UK-March 2023

### **National poster presentations:**

1. A case of angiomyxoma of vulva-ASICON, National Surgical Conference, Gurgaon, India-December 2016

2. A case of midgut volvulus in an adult- ASICON, National Surgical Conference, Hyderabad, India-December 2015

3. Glucagon-like peptide-1 (GLP-1) agonist in pancreas transplant recipients with partial graft function: A case series. Diabetes UK conference, Liverpool, UK, 2018.

### **Workshops attended:**

1. The 9<sup>th</sup> International NICE-EPITA Islet isolation Workshop, Milan, Italy-September 2018

2. National Organ Retrieval Workshop, 3<sup>rd</sup> Oxford course, Bangalore, Karnataka, India-March 2017

3. International live workshop in Laparoscopic surgery-Laparosurge-GEM Hospital, Coimbatore, Tamil Nadu, India-2015

### **Courses attended:**

1. Master Class in Liver Disease- Liver disease and transplantation-Back to basics, Chennai, Tamil Nadu, India, January 2017

2. Hesperis-European Society of Organ Transplantation, Rome, Italy, February 2019.

3. Academia- European Society of Organ Transplantation, Rome, Italy, February 2019.

4. RCS-Intercollegiate Basic Surgical Skills course, King's College Hospital, London, UK, October 2020.
5. RCS-Care of critically ill surgical patients, WIMAT, Cardiff, UK, December 2020.
6. Teach the Teacher Online course, Oxford Medical, Online, 2020
7. Online Medical Leadership and Management Distance learning course, Oxford Medical, Online, 2020.
8. RCS-Advanced Trauma Life Support (ATLS), Chelsea and Westminster Hospital, London, UK, July 2021.
9. RCS & NHSBT NORS Retrieval Masterclass, Online, UK, December 2021

**Teaching experience:**

- Involved in undergraduate and nursing students teaching in Stanley Medical College, Chennai, Tamil Nadu, India-2014 to 2016
- Delivered a lecture series on gastric cancer for undergraduate medical students in Stanley Medical College, Chennai, Tamil Nadu, India-2015-2016
- Involved in undergraduate teaching at the Imperial College Healthcare NHS Trust, Hammersmith Hospital, London, UK- 2018-2021
- Focused group teaching session on Thromboelastogram in pancreas transplantation at the Imperial College Healthcare NHS Trust, Hammersmith Hospital, London, UK-December 2019
- Focused group teaching session on Hypothermic machine perfusion of human deceased donor kidney at the Imperial College Healthcare NHS Trust, Hammersmith Hospital, London, UK-August 2021
- Faculty -Imperial College London Suturing Workshop-September 2020, Hammersmith Hospital, London, UK.

- Faculty -Royal College of Surgeons-Surgical Skills for Students and Healthcare Professionals course- May 2021, St Georges Hospital, London, UK
- Faculty -Royal College of Surgeons-Intercollegiate Basic Surgical Skills course- June 2021, Broad green Hospital, Liverpool, UK

### **Management & leadership roles:**

- Drafted the anticoagulation protocol post-pancreas transplantation at Imperial College Renal and Transplant Centre, Hammersmith Hospital, London, UK
- Drafted the pancreas transplant workup protocol at Imperial College Renal and Transplant Centre, Hammersmith Hospital, London, UK
- Middle grade lead for organ utilization at Manchester Royal Infirmary, Manchester, UK (2021-2022)
- One of the Lead surgeons for NORS (National Organ Retrieval Service) at Manchester Royal Infirmary- covering the North West of England (August & September 2022)
- Organised the weekly declined offers presentation in MDT at Imperial College Renal and Transplant Centre, Hammersmith Hospital, London, UK (2019-2021)
- Responsible for reporting local pancreas transplant outcomes data to NHS Blood and Transplant, Hammersmith Hospital, London, UK (2018-2021)
- Responsible for maintaining local pancreas transplant database, Hammersmith Hospital, London, UK (2018-2021)
- Co-organiser for the Imperial College London suturing workshop, Hammersmith Hospital, London, UK (September 2020)
- Organising committee for undergraduate and postgraduate seminars in Stanley Medical College, Chennai, Tamil Nadu, India- 2014 to 2016

- Organising committee for post graduate CME series STANSURGE in Stanley Medical College, Chennai, Tamil Nadu, India- 2015 and 2016
- Secretary of tumor board in Stanley Medical College, Chennai, Tamil Nadu, India- 2015 to 2016
- Involvement in social activities-organising blood donation camps, free health check-up for under privileged people, disaster relief camps and noncommunicable diseases screening camps in Tirunelveli medical college, Tirunelveli, Tamil Nadu, India-2007 to 2010
- House Captain- Don Bosco matriculation higher secondary school, Thanjavur, Tamil Nadu, India- 2004 to 2005.

**Outside of medicine:**

- I have passed the general knowledge proficiency test conducted by the USO wing of the United Nations- November 1999
- I have interests in Cooking, Cycling and Photography