Laszlo **Szabo**

Consultant Transplant Surgeon
Cardiff and Vale University HB, Cardiff, UK
Laszlo.Szabo@wales.nhs.uk 0000-0002-6881-1542 Laszlo75 drszabolaszlo

Education

Specialist in Surgery (CCT equivalent)
Debrecen, Hungary
Hungarian National Board of Surgery
1999 - 2006

Medical Doctor
Debrecen, Hungary
Medical and Health Science Centre, University of Debrecen, Hungary
1993 - 1999

Qualifications

European Diploma in Transplantation Surgery
Brussels
European Board of Surgery, Division of Transplantation
2015

- Module 3: Pancreas Transplantation

European Diploma in Transplantation Surgery
Paris
European Board of Surgery, Division of Transplantation
2009

- Module 1: Multiorgan retrieval
- Module 2: Kidney Transplantation

Work Experience

Consultant Transplant Surgeon
Cardiff, UK
Cardiff Transplant Unit, Cardiff and Vale University Health Board
2012 - Present

Clinical Fellow in Transplant Surgery and Organ Retrieval
Cardiff, UK
Cardiff Transplant Unit, Cardiff and Vale University Health Board
2011 - 2012

Surgeon, Assistant Lecturer
Debrecen, Hungary
Institute of Surgery, Medical and Health Science Centre, University of Debrecen
2006 - 2011

Surgical Trainee
Debrecen, Hungary
Institute of Surgery, Medical and Health Science Centre, University of Debrecen
1999 - 2006

Leadership Roles

Transplant and Vascular Access Lead with the Welsh Kidney Network
2024 - present

Clinical Lead for Governance
2021 - present

Clinical Lead for Organ Utilisation
2020 - present

Research

Principal Investigator

PITHIA

Pre-implantation Trial of Histopathology In renal Allografts

POWAR

Prophylaxis of Wound Infections - Antibiotics in Renal Donation

COPE-COMPARE

Oxygenated versus standard cold perfusion preservation in kidney transplantation

COPE-POMP

'in house' pre-implantation oxygenated hypothermic machine perfusion reconditioning after cold storage versus cold storage alone in expanded criteria donor (ECD) kidneys from brain dead donors

PAVE

Paclitaxel-assisted balloon angioplasty of venous stenosis in haemodialysis access

Skills

Surgical Skills

kidney and pancreas transplantation, organ retrieval, normothermic regional perfusion, vascular access

Languages

Hungarian (native), English (fluent), French (basic)

Data Science

R, RStudio, Quarto, Typst, Power BI

Publications

[1] Z. Ahmed *et al.*, "Prophylaxis of Wound Infections-antibiotics in Renal Donation (POWAR)," *Annals of Surgery*, 2019, doi: 10.1097/SLA.0000000000003666.

[2] A. Asderakis *et al.*, "An Analysis of Serological Response and Infection Outcomes Following Oxford-AstraZeneca (AZD1222) and Pfizer-BioNTech (mRNA BNT162b2) SARS-CoV-2 Vaccines in Kidney and Kidney-pancreas Transplants," *Transplantation*, vol. 106, no. 7, pp. 1421–1429, 2022, doi: 10.1097/tp.0000000000004105.

[3] A. Asderakis *et al.*, "Thymoglobulin versus Alemtuzumab versus Basiliximab Kidney Transplantation from Donors After Circulatory Death," *Kidney International Reports*, 2022, doi: 10.1016/j.ekir.2022.01.1042.

[4] L. Asztalos *et al.*, "[Acute Pancreatitis after Kidney Transplantation].," *Magyar Sebeszet*, vol. 54, no. 2, p. 91, 2001.

[5] L. Asztalos, S. Olvasztó, R. Fedor, L. Szabó, G. Balázs, and G. Lukács, "Renal Artery Aneurysm at the Anastomosis After Kidney Transplantation," *Transplantation Proceedings*, vol. 38, no. 9, pp. 2915–2918, Nov. 2006, doi: 10.1016/j.transproceed.2006.08.115.

[6] B. Edgar *et al.*, "Quality Assurance in Surgical Trials of Arteriovenous Grafts for Haemodialysis: Protocol for a Systematic Review," *BMJ open*, vol. 13, no. 7, p. e71646, Jul. 2023, doi: 10.1136/bmjopen-2023-071646.

[7] R. Fedor *et al.*, "Insertion/Deletion Polymorphism of Angiotensin-Converting Enzyme as a Risk Factor for Chronic Allograft Nephropathy," *Transplantation Proceedings*, vol. 42, no. 6, pp. 2304–2308, Jun. 2010, doi: 10.1016/j.transproceed.2010.05.020.

[8] R. Fedor *et al.*, "Insertion/Deletion Polymorphism of the Angiotensin-Converting Enzyme Predicts Left Ventricular Hypertrophy After Renal Transplantation," *Transplantation Proceedings*, vol. 43, no. 4, pp. 1259–1260, May 2011, doi: 10.1016/j.transproceed.2011.03.064.

[9] P. Husen *et al.*, "Oxygenated End-Hypothermic Machine Perfusion in Expanded Criteria Donor Kidney Transplant," *JAMA Surgery*, vol. 156, no. 6, pp. 517–525, 2021, doi: 10.1001/jamasurg.2021.0949.

[10] I. Jochmans *et al.*, "Oxygenated versus Standard Cold Perfusion Preservation in Kidney Transplantation (COMPARE): A Randomised, Double-Blind, Paired, Phase 3 Trial," *The Lancet*, vol. 396, no. 10263, pp. 1653–1662, 2020, doi: 10.1016/s0140-6736(20)32411-9.

[11] N. Karunanithy *et al.*, "A Multicenter Randomized Controlled Trial Indicates That Paclitaxel-Coated Balloons Provide No Benefit during Angioplasty of Arteriovenous Fistulas.," *Kidney International*, 2021, doi: 10.1016/j.kint.2021.02.040.

[12] U. Khalid, M. A. Ilham, L. Szabo, E. Saunders, S. McMillan, and M. R. Stephens, "Arterio-Venous Fistula Surgery Can Be Safely Delivered in the COVID-19 Pandemic Era," *The Journal of Vascular Access*, p. 112972982098316, 2020, doi: 10.1177/1129729820983166.

[13] U. Khalid *et al.*, "Dual Kidney Transplantation Offers a Valuable Source for Kidneys With Good Functional Outcome," *Transplantation Proceedings*, vol. 48, no. 6, pp. 1981–1985, Jul. 2016, doi: 10.1016/j.transproceed.2016.02.083.

[14] U. Khalid *et al.*, "`Educational' Deprivation Is Associated with PD Peritonitis," *Peritoneal Dialysis International*, vol. 38, no. 4, pp. 251–256, Jul. 2018, doi: 10.3747/pdi.2017.00098.

[15] U. Khalid *et al.*, "The Influence of Socioeconomic Deprivation on Early Outcomes in Vascular Access Surgery," *The Journal of Vascular Access*, vol. 16, no. 6, pp. 480–485, Nov. 2015, doi: 10.5301/jva.5000406.

[16] U. Khalid *et al.*, "MicroRNA-21 (miR-21) Expression in Hypothermic Machine Perfusate May Be Predictive of Early Outcomes in Kidney Transplantation," *Clinical Transplantation*, vol. 30, no. 2, pp. 99–104, Feb. 2016, doi: 10.1111/ctr.12679.

[17] U. Khalid *et al.*, "Older Donation After Circulatory Death Kidneys for Older Recipients: A Single-Center Experience," *Transplantation Proceedings*, vol. 51, no. 3, pp. 701–706, 2019, doi: 10.1016/j.transproceed.2019.01.081.

[18] D. B. Kingsmore *et al.*, "Quality Assurance in Surgical Trials of Arteriovenous Grafts for Haemodialysis: A Systematic Review, a Narrative Exploration and Expert Recommendations," *The Journal of Vascular Access*, p. 11297298241236521, Mar. 2024, doi: 10.1177/11297298241236521.

[19] D. Kingsmore *et al.*, "Recruitment into Randomised Trials of Arteriovenous Grafts: A Systematic Review," *The Journal of Vascular Access*, p. 112972982311584, Mar. 2023, doi: 10.1177/11297298231158413.

[20] G. Koimtzis *et al.*, "The Influence of Socioeconomic Deprivation on Outcomes in Transplant Patients Infected with SARS-CoV-2 in Wales," *Clinical Transplantation*, vol. 38, no. 1, p. e15245, Jan. 2024, doi: 10.1111/ctr.15245.

[21] D. Á. Kovács *et al.*, "Pregnancy Management of Women with Kidney Transplantation," *Interventional Medicine and Applied Science*, vol. 7, no. 4, pp. 161–165, 2015, doi: 10.1556/1646.7.2015.4.5.

[22] D. Á. Kovács *et al.*, "A Vesetranszplantáció Pozitív Hatásai a Betegek Angiológiai Státuszára. Az Artériás Funkció (Stiffness) Noninvazív Mérésének Lehetséges Szerepe Az Előrejelzésben," *Orvosi Hetilap*, vol. 157, no. 24, pp. 956–963, 2016, doi: 10.1556/650.2016.30412.

[23] B. Nemes *et al.*, "[First Outcomes, since Being Full Member of Eurotransplant. A Single Center Experience of Cadaveric Kidney Transplantation]," *Orvosi Hetilap*, vol. 157, no. 24, pp. 925–937, 2016, doi: 10.1556/650.2016.30501.

[24] T. K. Sabah *et al.*, "Induction with ATG in DCD Kidney Transplantation; Efficacy and Relation of Dose and Cell Markers on Delayed Graft Function and Renal Function," *Transplant Immunology*, p. 101388, 2021, doi: 10.1016/j.trim.2021.101388.

[25] L. Szabó *et al.*, "Effects of Tacrolimus on Action Potential Configuration and Transmembrane Ion Currents in Canine Ventricular Cells," *Naunyn-Schmiedeberg's Archives of Pharmacology*, vol. 386, no. 3, pp. 239–246, Mar. 2013, doi: 10.1007/s00210-012-0823-2.

[26] L. Szabó, Z. Rusznák, G. Sz{''}ucs, L. Asztalos, and B. Pál, "Effect of Tacrolimus on the Excitatory Synaptic Transmission Between the Parallel Fibers and Pyramidal Cells in the Rat Dorsal Cochlear Nucleus," *Transplantation Proceedings*, vol. 42, no. 6, pp. 2339–2343, Jul. 2010, doi: 10.1016/j.transproceed.2010.05.013.

[27] R. P. Szabó, N. Klenk, J. Balla, L. Asztalos, L. Szabó, and Z. Vokó, "Prognosis of Dialysed Patients after Kidney Transplant Failure," *Kidney and Blood Pressure Research*, vol. 37, no. 2–3, pp. 151–157, 2013, doi: 10.1159/000350140.

[28] R. P. Szabó, L. Asztalos, L. Szabó, J. Balla, and Z. Vokó, "Validation of a Prognostic Function for Renal Transplant Recipients in Hungary," *Journal of Nephrology*, vol. 24, no. 5, pp. 619–624, Aug. 2011, doi: 10.5301/jn.2011.8354.