



Marginal donors in renal transplantation

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Abstract:

The ageing global population and the increased life expectancy have contributed to the rise in the prevalence of older patients with end stage renal failure (ESRD). Renal transplantation is the best treatment option for eligible patients with end stage renal disease. The number of renal transplants has increased rapidly over the last two decades across the world which increased the demand for donor organs. This disparity between the availability of organs and waitlisted patients for transplants has forced many transplant centres across the world to use marginal kidneys and donors. Deceased donor organ transplant (DDOT) with "marginal donors" or extended criteria donor (ECD) is increasing in number. In the United States, 15-20% of donors were ECD in 2008. About 30% and 47% of deceased kidney donors are ECDs in Europe and France, respectively. In India, where DDOT accounts for less than 4% of the total transplants, discarding the marginal kidneys cannot be justified. The idea of marginal donors (MD) was conceived to combat the huge discrepancy between demand and organ availability. The definition of marginal living donor is still not clear and there are no uniform recommendations. The decision must be tailored to each donor who in turn should be actively involved at all levels of the decision-making process. In the current circumstances, our responsibility is very crucial in making decisions for either accepting or rejecting a marginal living donor. Patients with kidney transplantation from MDs do better than patients who remain on hemodialysis. However, earlier studies suggest that MD kidneys have a higher propensity for delayed graft function (DGF), and poor outcomes. At this point selecting the marginal donor after informed consent is need of an hour which will increase the quality of life in patients with ESRD. However, further research is still awaited in this new concept.

Biography:

Dr. G. Anvesh is a Nephrologist with a special interest in Renal transplantation. He is the best outgoing student in DM Nephrology from the Nizam's Institute of Medical Sciences, India and has many Publications in peer reviewed journals to his credit. He is presently a Reviewer for Indian Journal of Nephrology. He had also presented in many National and International Conferences and have been constantly expanding and sharing



his knowledge with his colleagues all over the world. He has a vivid experience in treating and managing the complications after the renal transplants. Giving a focus on the need of more donor kidneys, he has been researching in the field of marginal donors over the years.

Recent Publications:

1. Bozkurt B, Kılıç M. Marginal Donors in Renal Transplantation. *Transplant Proc.* 2015;47(5):1273-1281.
2. Antarelli C, Cravedi P: Criteria for Living Donation from Marginal Donors: One, No One, and One Hundred Thousand. *Nephron* 2019;142:227-232.
3. Marie Omnell Persson, Nils H. Persson, Ragnar Källén, Henrik Ekberg, Göran Hermerén, Kidneys from marginal donors: views of patients on informed consent, *Nephrology Dialysis Transplantation*, Volume 17, Issue 8, August 2002, Pages 1497-1502
4. APA Raslan, Mohamed; Samhan, Mahmoud; Halabi, Eyad; Shanab, Jellan; Matheow, Bobby; Al Shomali, Wael; Al Mousawi, Moustafa Outcome of Kidney Transplantation from Expanded Criteria Deceased Donors, *Transplantation*: May 2017 - Volume 101 - Issue 5S-3 - p S46.
5. APA Elgin, Ersin; Selimoğlu, Abdülmecid Yıldız Kerem; Keskin, Sahriye; Ersoy, Alparslan; Çinar, Yavuz Selim; Dündar, Halit Ziya The Relationship between Marginal and Non-Marginal Kidney Transplants, *Transplantation*: July 2018 - Volume 102 - Issue - p S798

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