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**Hypertension and obesity in living kidney donors**

Hypertension and obesity in LKD

### Abstract

Over the past few decades, the shortage in the kidney donor pool as compared to the increasing number of candidates on the kidney transplant waitlist led to loosening of kidney donors' acceptance criteria. Hypertension and obesity represent risk factors for chronic kidney disease, both in native kidneys and those in kidney transplant recipients. While great progress has been made in kidney transplantation from living donors to benefit the recipient survival and quality of life, progress has been slow to fully risk-characterize the donors. This review critically reassesses the current state of understanding regarding the risk of end-stage kidney disease in those donors with

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### Living Kidney Donors at Increased Risk for Hypertension ...

<https://www.renalandurologynews.com/home/news/...>

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## Weight gain after kidney donation: Association with ...

<https://pubmed.ncbi.nlm.nih.gov/30053320>

In the general population, obesity is associated with an increased risk of developing hypertension (HTN), type 2 diabetes mellitus (DM), and end-stage renal disease (ESRD). Therefore, most transplant centers have a body mass index (BMI) threshold for accepting living kidney donors.

**Cited by:** 8**Author:** Naim Issa, Otto A. Sánchez, Aleksandra Ku...**Publish Year:** 2018

## Obesity in Living Kidney Donors: Clinical Characteristics ...

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In addition, even though **living kidney donation** itself is not considered to be a risk factor for developing **hypertension**, there exist certain risk factors (African American or Hispanic descent, **obesity**, age) that may increase the risk of **living kidney donors** developing elevated BP postdonation.

### Blood Pressure and Living Kidney Donors: A Clinical ...

[journals.lww.com/transplantationdirect/Fulltext/2019/10000/Blood\\_Pressure\\_a...](https://journals.lww.com/transplantationdirect/Fulltext/2019/10000/Blood_Pressure_a...)

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### Blood Pressure and Living Kidney Donors: A Clinical ...

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Current consensus guidelines have contraindicated **donors** with a **BMI** >30–35. 2 Lentine et al 14 confirmed that **obese donors** were more likely to have predonation **hypertension** and each increase in year of **donor** age was associated with a 5%–7% higher likelihood of **hypertension**. 14 Another study demonstrated that the frequency of **hypertension** increased by 10% for each 1-unit increase in **BMI**, with higher **BMI** being associated with higher rates of **hypertension** ...

### Should living kidney donors with hypertension be ...

<https://pubmed.ncbi.nlm.nih.gov/26447797>

The data are mainly in white **living kidney donors** whose preexisting **hypertension** has been well controlled [blood pressure (BP) <140/90 mmHg] on one or two antihypertensive medications. Those selected for **donation** do as well as nonhypertensive **donors** as long they are older (age >50 years), **nonobese** (BMI 26-30 kg/m), and have no evidence of end-organ damage prior to **donation**.

Cited by: 6

Author: Raymond R. Townsend, Peter P. Reese, Mar...

Publish Year: 2015

### Obesity increases the risk of end-stage renal disease ...

<https://pubmed.ncbi.nlm.nih.gov/28041626>

**Obese** (BMI above 30) **live kidney donors** were more likely male, African American, and had higher blood pressure. Estimated risk of ESRD 20 years after **donation** was 93.9 per 10 000 for **obese**; significantly greater than the 39.7 per 10 000 for non-obese **live kidney donors**.

Cited by: 102

Author: Jayme E. Locke, Rhiannon D. Reed, Allan M...

Publish Year: 2017

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