

# Sexual Function and Gender Match After Kidney



## Transplantation

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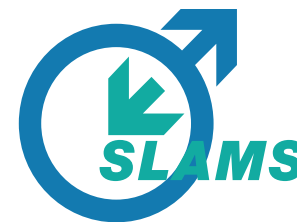


16<sup>th</sup>

**World Meeting on  
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8 - 12 October 2014 - São Paulo, Brazil

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# Background

- Reintegrate transplanted patients to the “general population”
- Kidney function, survival
- Quality of life and sexual function

# Background

- Donor's gender seems to have an impact in kidney function
  - Female recipients have better outcome
  - The worse functional prognosis is in male recipients of female donors

# Objective

- To analyze sexual function among men and women receiving kidney grafts from living donors
- To analyze if the donor's gender has an impact in sexual outcome

# Material and Methods

- Prospective study from March 2012 to May 2014
- Female Sexual Function (FSF) and the International Index of Erectile Function-15 (IIEF-15)
  - At hospital admission before surgery
  - Monthly after surgery for 6 months

# Results

- 41 male recipients
  - 14 male donors
  - 27 female donors
  
- 18 female recipients
  - 8 male donors
  - 10 female donor

# Male Recipients at Baseline

		Mean	Standard Deviation	<i>p</i>
<b>Coitus Satisfaction</b>	<b>Male from Male</b>	5.79	6.363	0.759
	<b>Male from Female</b>	5.15	5.690	
<b>Orgasm</b>	<b>Male from Male</b>	4.86	4.538	0.637
	<b>Male from Female</b>	4.15	4.277	
<b>Sexual Desire</b>	<b>Male from Male</b>	5.86	2.627	0.990
	<b>Male from Female</b>	5.85	2.588	
<b>Overall Satisfaction</b>	<b>Male from Male</b>	7.21	2.424	0.944
	<b>Male from Female</b>	7.15	2.866	
<b>Erectile Dysfunction</b>	<b>Male from Male</b>	13.86	12.421	0.710
	<b>Male from Female</b>	15.32	10.127	
<b>IIEF Total Score</b>	<b>Male from Male</b>	37.57	25.690	0.908
	<b>Male from Female</b>	38.52	22.055	

# Male Recipients at 6 Months

		Mean	Standard Deviation	<i>p</i>
Coitus	Male from Male	6.25	7.320	0.022
	Male from Female	12.00	1.612	
Orgasm	Male from Male	6.50	4.435	0.063
	Male from Female	9.27	1.104	
Sexual Desire	Male from Male	5.00	3.559	0.017
	Male from Female	8.27	1.272	
Overall Satisfaction	Male from Male	5.25	3.775	0.013
	Male from Female	8.82	1.250	
Erectile Dysfunction	Male from Male	13.50	14.640	0.004
	Male from Female	28.36	2.420	
IIEF Total Score	Male from Male	36.50	31.932	0.007
	Male from Female	66.73	5.551	



# Female Recipients at Baseline

		Mean	Standard Deviation	<i>p</i>
FSFI Full Score	Female from Male	34.75	34.242	0.843
	Female from Female	31.70	28.640	
Sexual Desire	Female from Male	3.0750	1.64903	0.395
	Female from Female	2.4600	1.21491	
Sexual Arousal	Female from Male	1.6875	2.11487	0.453
	Female from Female	2.4300	1.91546	
Lubrication	Female from Male	2.4000	2.50998	0.980
	Female from Female	2.3700	2.50380	
Orgasm	Female from Male	2.3500	2.72502	0.774
	Female from Female	2.0000	2.24697	
Sexual Satisfaction	Female from Male	2.7000	2.90615	0.181
	Female from Female	1.2000	1.58885	
Painful Intercourse	Female from Male	1.3500	2.52020	0.953
	Female from Female	1.4400	1.95232	

# Female Recipients at 6 Months

Female at 6 Months

		Mean	Standard Deviation	<i>p</i>
IFSF Total Score	Female from Male	42.5000	57.27565	0.871
	Female from Female	34.0000	29.81610	
Sexual Desire	Female from Male	3.0000	2.54558	0.458
	Female from Female	1.8000	.60000	
Sexual Arousal	Female from Male	2.7000	3.81838	0.819
	Female from Female	1.9000	1.70587	
Lubrication	Female from Male	2.4000	3.39411	0.949
	Female from Female	2.2000	2.10713	
Orgasm	Female from Male	3.0000	4.24264	0.824
	Female from Female	2.1333	2.01329	
Satisfaction	Female from Male	2.8000	3.95980	0.854
	Female from Female	2.1333	2.01329	
Painful Intercourse	Female from Male	2.4000	3.39411	0.934
	Female from Female	2.6667	2.60256	

# Conclusions

- In the present study, there was a better sexual outcome in male patients receiving a kidney from a female donor
- Further studies could help clarify the possible connection between the donor's gender and sexual function in the recipient of the kidney

# Comments



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