**S3. Table. Worldwide**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Mean (SD) |  |  |  |  |  |  |
|  | **Total (n= 221)** | **Europe(n= 187)** | **America (n= 13)** | **Asia (n= 16)** | **Other (n= 5)** | **P-valueOverall** |
| Kidney Tx from live donor (numbers/center/year)  | 40,9 (37,5) | 40,9 (38,3) | 41 (25,5) | 44,9 (40,6) | 25 (20,8) | 0.770 |
| Kidney Tx from deceased donor (numbers/center/year) | 68,9 (48,8) | 80 (47,5) | 56 (63) | 25,4 (22,2) | 22,5 (28,7) | 0.000 |
| **BMI** |  |
| Overweight | 99,5%  | 99,4% | 100% | 100% | 100% | 0.981 |
| Obesity | 69,5% | 69,5% | 50% | 87,5% | 50% | 0.175 |
| Morbid Obesity | 16,2% | 15% | 20% | 18,8% | 50% | 0.293 |
| Morbid Obesity (Class II) | 5,1% | 4,2% | 10% | 6,3% | 25% | 0.249 |
| **Minors as donors** | 3,6% | 3,6% | 0% | 6,3% | 0% | 0.836 |
| **Women of childbearing age** | 82,2% | 82% | 80% | 87,5% | 75% | 0.922 |
| **Impaired fasting glucose** | 42,9% | 41,5% | 50% | 56,3% | 25% | 0.568 |
| **Hypertension** |  |
| NoIf controlled 1 agentIf controlled 2 agentsIf controlled with > 2 agentsYes | 12,2%47,6%32,8%1,6%5,8% | 10,1%47,2%35,2%1,3%6,3% | 40%40%10%0%10% | 18,8%50%31,3%0%0% | 0%75%0%25%0% | 0.006 |
| **Upper age limit** |  |
| YesYes, max 60Yes, max 65Yes, max 70Yes, max 75Yes, max 80No age limit | 1,1%5,3%10,1%10,6%10,1%5,3%57,1% | 0,6%1,9%8,2%10,1%6,9%5%67,3% | 10%30%30%0%30%0%0% | 6,3%25%12,5%25%18,8%6,3%6,3% | 0%0%25%0%50%25%0% | 0.000 |
| **More than 1 renal artery** |
| NoYes, max 2 arteriesYes, max 3 arteriesYes, max 4 arteriesYes, no maximum | 6,9%40,7%21,7%3,2%27,5% | 8,2%40,3%20,8%2,5%28,3% | 0%40%30%20%10% | 0%37,5%31,3%0%31,3% | 0%75%0%0%25% | 0.166 |
| **More than 1 renal vein** |
| NoYes, max 2 veinsYes, max 3 veinsYes, max 4 veinsYes, no maximum | 9%38,1%20,1%0,5%32,3% | 10,7%35,8%18,2%0,6%34,6% | 0%50%50%0%0% | 0%43,825%0%31,3% | 0%75%0%0%25% | 0.251 |
| **Kidney stones** |
| NoYes, but only if the remaining kidney is freeYes | 26,9%54,3%18,8% | 26,9%53,8%19,2% | 40%50%10% | 12,5%62,5%25% | 50%50%0% | 0.620 |
| Stone(s) in contralateral kidney | 14% | 12,2% | 20% | 25% | 25% | 0.433 |
| Renal malignancy <3cm | 21% | 22,4% | 10% | 12,5% | 25% | 0.646 |
| **Bosniak classification** |
| Bosniak IBosniak IIBosniak IIFBosniak IIIBosniak IV | 33,9%39,8%10%0,5%0% | 32,1%41,2%9,6%0,5%0% | 30,8%38,5%7,7%0%0% | 43,8%37,5%18,8%0%0% | 80%0%0%0%0% | 0.1240.3210.5660.980n/a |
| **Specialists screening** |  |
| (Transplant) surgeon(Transplant) nephrologistAnesthesiologistSocial workerNurse practitionerPsychologist/PsychiatristOther | 70,6%82,8%46,2%26,7%41,6%42,5%15,8% | 70,1%81,8%48,1%22,5%42,2%41,7%15,5% | 69,2%76,9%15,4%38,5%15,4%46,2%23,1% | 81,3%100%50%56,3%50%50%18,8% | 60%80%40%60%60%40%0% | 0.7570.2850.1440.0060.1820.9190.666 |
| Every donor is discussed in multidisciplinary team | 90,3% | 90,4% | 90% | 93,8% | 75% | 0.731 |
| **Included in multidisciplinary team** |  |
| (Transplant) surgeon(Transplant) nephrologistAnesthesiologistSocial workerNurse practitionerPsychologist/PsychiatristOther | 73,8%74,2%38,5%20,4%51,6%38%21,3% | 72,7%73,3%40,1%13,4%48,1%36,9%19,3% | 69,2%69,2%38,5%61,5%69,2%61,5%46,2% | 93,8%93,8%25%56,3%75%31,3%31,3% | 60%60%20%60%60%40%0% | 0.2580.2640.5400.0000.1040.3250.056 |
| Standard imaging during screening | 100% | 100% | 100% | 100% | 100% | n/a |
| **Type of imaging** |  |
| MRI/MRACT/CTAInvasive angiographyUltrasoundOther | 15,4%73,3%4,1%46,6%5,9% | 17,6%70,6%2,7%45,5%5,3% | 7,7%76,9%15,4%46,2%7,7% | 0%100%6,3%56,3%12,5% | 0%80%20%60%0% | 0.1620.0810.0350.7870.626 |
| Radioisotope renography | 65,4% | 67,7% | 60% | 43,8% | 75% | 0.263 |
| **Functional screening** |  |
| MAG-3 scanDTPA-scanDMSA-scanOther | 35,3%28,1%19%13,6% | 37,4%24,6%18,2%13,9% | 23,1%53,8%15,4%0% | 18,8%43,8%37,5%18,8% | 40%40%0%20% | 0.3630.0530.1780.457 |
| **Surgical techniques nephrectomy** |  |
| Open (lumbotomy)Open (mini-incision)Laparoscopic transperitonealHand-assisted laparoscopic transperitonealRetroperitoneoscopic – no hand-assistanceHand-assisted retroperitoneoscopicRobot-assisted laparoscopic transperitonealOther | 17,6%25,8%32,1%31,2%5,4%15,8%8,6%2,3% | 15,5%26,7%29,9%29,9%5,3%17,1%10,2%1,1% | 23,1%38,5%23,1%38,5%0%7,7%0%23,1% | 37,5%12,5%56,3%37,5%12,5%12,5%0%0% | 20%0%60%40%0%0%0%0% | 0.1570.2220.0740.8180.4590.5830.2860.000 |

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| --- | --- | --- | --- | --- | --- | --- |
| Median + ranges |  |  |  |  |  |  |
|  | **Total(n = 101)** | **Europe****(n = 85)** | **America(n = 6)** | **Asia****(n = 9)** | **Other (n = 1 )** | **p-value** |
| **BMI** |  |
| Overweight (25 – 30)Obese (30-35)Morbidly obese (35 - 40)Morbidly obese (40 +) | 5 (2-5)3 (1-5)2 (1-5)1 (1-5) | 5 (2-5)3 (1-5)2 (1-5)1 (1-5) | 5 (3-5)4 (2-5)2 (1-4)1 (1-3) | 5 (4-5)4 (2-5)2 (1-3)1 (1-2) | 5555 | 0.8030.3910.2530.092 |
| Upper age limit for LKD1 | 60 (60-no age limit) | No age limit (no age limit-other) | 60 (no age limit to other) | 70 (60 to no age limit) | 80 | 0.053 |
| Minors as donors | 1 (1-5) | 1 (1-5) | 1.5 (1-4) | 1 (1-3) | 1 | 0.618 |
| Women of childbearing age | 4 (1-5) | 4 (1-5) | 5 (4-5) | 4 (2-5) | 2 | 0.026 |
| Impaired fasting glucose | 2 (1-5) | 2 (1-5) | 3 (2-4) | 3 (1-4) | 2 | 0.037 |
| **Hypertension** |  |
| Without agentsIf well controlled with 1 agentIf well controlled with 2agentsIf well controlled with >2agents | 3 (1-5)4 (1-5)2 (1-5)1 (1-5) | 3 (1-5)4 (1-5)2 (1-5)1 (1-5) | 2 (1-4)4 (1-5)3.5 (1-4)2 (1-4) | 4 (1-5)4 (3-5)3 (1-4)2 (1-2) | 3322 | 0.2490.5980.9620.318 |
| Arterial or venous anatomy2 | 1 (-1-3) | 1 (1-3) | 1.5 (1-3) | 2 (1-3) | 1 | 0.801 |
| **Acceptation number of renal arteries** |  |
| 1 renal artery2 renal arteries3 renal arteries4 renal arteries>4 renal arteries | 5 (3-5)5 (2-5)3 (1-5)2 (1-5)1 (1-5) | 5 (3-5)5 (2-5)3 (1-5)2 (1-5)1 (1-5) | 5 (5-5)5 (4-5)3 (1-5)1.5 (1-5)1 (1-4) | 5 (4-5)5 (3-5)3 (1-4)1 (1-4)1 (1-3) | 55422 | 0.5300.9210.8330.9340.292 |
| **Acceptation number of renal veins** |  |
| 1 renal vein2 renal veins3 renal veins4 renal veins>4 renal veins | 5 (3-5)5 (1-5)4 (1-5)2 (1-5)2 (1-5) | 5 (3-5)5 (1-5)4 (1-5)2 (1-5)2 (1-5) | 5 (4-5)5 (4-5)3.5 (1-5)2 (1-3)1.5 (1-3) | 5 (4-5)5 (4-5)3 (1-5)2 (1-4)1 (1-4) | 55555 | 0.4540.8100.1610.3570.385 |
| **Kidney stones** |  |
| Kidney with stones for donation | 3 (1-5) | 3 (1-5) | 4 (2-5) | 4 (2-5) | 2 | 0.389 |
| Stone(s) in contralateral kidney | 2 (1-5) | 2 (1-5) | 2 (1-4) | 2 (1-4) | 2 | 0.770 |
| **Preferred technique(s) nephrectomy** |  |
| Open lumbotomyOpen (mini-incision)Laparoscopic transperitonealHand-assisted laparoscopic transperitonealRetroperitoneoscopic, no hand-assistanceHand-assisted retroperitoneoscopicRobot-assisted laparoscopic transperitoneal Other  | 6.9%19.8%36.6%31.7%5.9%19.8%4.0%3.0% | 5.9%20%32.9%31.8%4.7%21.2%4.7%2.4% | -33.3%50%33.3%---16.7% | 22.2%11.1%66.7%22.2%22.2%22.2%-- | ---100%---- | 0.2690.7130.1690.4690.1760.6010.8530.229 |
| **Percentage of refusal potential LKD** |  |
| Percentage of refusal for potential LKD 4 | 20-30%(0 – 60%) | 10-20%(0 – 60%) | 20-30%(0-50%) | 20-30%(0-30%) | 0-10% | 0.677 |
| **Deviation from center policy** |  |
| Do you sometimes deviate from your center policy | 23.7% | 23.4% | 16.7% | 33.3% | 0% | 0.815 |
| Weight Blood pressureOlder ageYounger ageWomen of childbearing ageImpaired fasting glucose Vascular multiplicity  | 77.3%36.4%31.8%4.5%13.6%36.4%27.3% | 72.2%27.8%16.7%5.6%11.1%33.3%27.8% | 100%100%100%0%0%100%100% | 100%66.67%100%0%33.33%33.3%0% | ------- | 0.5530.2930.0070.9790.4940.8190.600 |