Simultaneous Liver Kidney (SLK) Allocation

Sponsoring Committee: Kidney Transplantation Committee

Policy/Bylaws Affected: Policies 5.10.B (Other Multi-Organ Combinations),

8.5.H (Allocation of Kidneys from Deceased Donors with KDPI Scores less than or equal to 20%), 8.5.I (Allocation of Kidneys from Deceased Donors with KDPI Scores Greater Than 20% but Less Than 35%), 8.5.J (Allocation of Kidneys from Deceased Donors with KDPI Scores Greater than or Equal to 35%), and 8.5.K (Allocation of Kidneys from Deceased Donors

with KDPI Scores Greater than 85%), 9.7

(Administrative Rules)

Public Comment: January 25, 2016 – March 25, 2016

Effective Date: Effective once policy is implemented and when

members are notified

Problem Statement

Current OPTN policy gives priority to candidates seeking a simultaneous liver kidney (SLK) transplant over pediatric and adult transplant candidates who are listed only for a kidney when the liver candidate and the deceased donor are in the same Donation Service Area (DSA). Unlike kidney alone allocation, in SLK allocation, the kidney is not allocated based on a candidate's kidney function. Instead, geographic proximity between the liver-kidney candidate and the donor is the single factor for allocating the kidney with the liver. In addition, although liver-kidney allocation is accomplished using the liver match run, liver-kidney allocation rules are inconsistent with liver-alone allocation with regard to regional sharing. OPOs are not required to allocate the kidney with the liver beyond the local DSA, although they have the discretion to do so.

Summary of Changes

These new rules accomplish the following:

- Establish medical eligibility criteria for adult candidates seeking an SLK transplant.
- Provide greater clarity for the rules around liver-kidney allocation and fix the inconsistency that exists between deceased donor liver allocation policy and liver-kidney allocation policy.
- Establish a "safety net" (new match classification priority on the kidney alone waiting list) for liver
 recipients who still need dialysis or have kidney dysfunction in the first year after liver transplant to
 address concerns about limitations with the SLK medical eligibility criteria.

What Members Need to Do

Liver and kidney transplant programs will need to prepare to implement these new policies. As of April 1, 2016 there were 1,082 SLK candidates waiting for an SLK transplant. Liver and kidney transplant programs will be required to report new information on the liver and kidney waiting list and document new

information in their candidates' medical records. The OPTN Contractor will release the new data fields associated with these policy changes at least two months before the implementation date to give you time to input the new data.

OPOs will need to educate their staff on these new rules and to follow the eligibility requirements indicated in DonorNet®.

Affected Policy/Bylaw Language:

New language is <u>underlined</u> and language that will be deleted is <u>struck through</u>.

5.10.B. Allocation of Liver-Kidneys

Liver-kidney combinations are allocated according to Policy 9.7: Liver-Kidney Allocation

5.10.BC Other Multi-Organ Combinations

When multi-organ candidates are registered on the heart, lung, or liver waiting list, the second required organ will be allocated to the multi-organ candidate from the same donor if the donor's DSA is the same DSA where the multi-organ candidate is registered.

If the multi-organ candidate is on a waiting list outside the donor's DSA, it is permissible to allocate the second organ to the multi-organ candidate receiving the first organ.

8.5.H Allocation of Kidneys from Deceased Donors with KDPI Scores less than or equal to 20% Prioritization for Liver Recipients on the Kidney Waiting List

If a kidney candidate received a liver transplant, but not a liver and kidney transplant from the same deceased donor, the candidate will be classified as a prior liver recipient. This classification gives priority to a kidney candidate if both of the following criteria are met:

- 1. The candidate is registered on the kidney waiting list prior to the one-year anniversary of the candidate's most recent liver transplant date
- 2. On a date that is at least 60 days but not more than 365 days after the candidate's liver transplant date, at least *one* of the following criteria is met:
 - The candidate has a measured or calculated creatinine clearance (CrCl) or glomerular filtration rate (GFR) less than or equal to 20 mL/min.
 - The candidate is on dialysis.

When the transplant program reports that the candidate meets the criteria for this classification, the candidate will remain at this classification for 30 days from the date of the qualifying test or treatment. If the transplant program reports additional qualifying tests or treatments, then the candidate will remain at this classification for 30 days from the most recent date of the test or treatment. If the transplant program reports that the candidate meets the criteria for 90 consecutive days, the candidate will remain at this classification until the candidate is removed from the kidney waiting list.

If a liver recipient receives a kidney using this priority classification and returns to the kidney waiting list after the most recent kidney transplant, the candidate must again meet the criteria for this classification, unless the candidate qualifies for kidney waiting time reinstatement according to *Policy 3.6.B.i: Non-function of a Transplanted Kidney*. If the candidate qualifies for kidney waiting time reinstatement, the candidate will be classified as qualifying for the classification.

If a kidney candidate received a liver and kidney transplant from the same deceased donor, the candidate will only qualify for this classification if the candidate qualifies for kidney waiting time reinstatement according to *Policy 3.6.B.i: Non-function of a Transplanted Kidney.*

[Subsequent headings affected by the re-numbering of this policy will also be changed as necessary.]

8.5.I.J Allocation of Kidneys from Deceased Donors with KDPI Scores Greater Than 20% but Less Than 35%

Kidneys from deceased donors with KDPI scores greater than 20% but less than 35% are allocated to candidates according to *Table 8-6* below.

Table 8-6: Allocation of Kidneys from Deceased Donors with KDPI Scores Greater Than 20% but Less Than 35%

| Classification | Candidates that are within the: | And are: | When the donor is this blood type: |
|----------------|---------------------------------|--|------------------------------------|
| 1 | OPO's DSA | 0-ABDR mismatch, CPRA equal to 100%, blood type permissible or identical | Any |
| 2 | OPO's DSA | CPRA equal to 100%, blood type permissible or identical | Any |
| 3 | OPO's region | 0-ABDR mismatch, CPRA equal to 100%, blood type permissible or identical | Any |
| 4 | OPO's region | CPRA equal to 100%, blood type permissible or identical | Any |
| 5 | Nation | 0-ABDR mismatch, CPRA equal to 100%, blood type permissible or identical | Any |
| 6 | Nation | CPRA equal to 100%, blood type permissible or identical | Any |
| 7 | OPO's DSA | 0-ABDR mismatch, CPRA equal to 99%, blood type permissible or identical | Any |
| 8 | OPO's DSA | CPRA equal to 99%, blood type permissible or identical | Any |
| 9 | OPO's region | 0-ABDR mismatch, CPRA equal to 99%, blood type permissible or identical | Any |
| 10 | OPO's region | CPRA equal to 99%, blood type permissible or identical | Any |
| 11 | OPO's DSA | 0-ABDR mismatch, CPRA equal to 98%, blood type permissible or identical | Any |
| 12 | OPO's DSA | CPRA equal to 98%, blood type permissible or identical | Any |
| 13 | OPO's DSA | 0-ABDR mismatch, blood type identical | Any |
| 14 | OPO's region | 0-ABDR mismatch, CPRA greater than or equal to 80%, and blood type identical | Any |
| 15 | Nation | 0-ABDR mismatch, CPRA greater than or equal to 80%, and blood type identical | Any |

| Classification | Candidates that are within the: | And are: | When the donor is this blood type: |
|----------------|---------------------------------|--|------------------------------------|
| 16 | OPO's region | 0-ABDR mismatch, CPRA greater than or equal to 21% but no greater than 79%, less than 18 at time of match, and blood type identical | Any |
| 17 | Nation | 0-ABDR mismatch, CPRA greater than or equal to 21% but no greater than 79%, less than 18 at time of match, and blood type identical | Any |
| 18 | OPO's region | 0-ABDR mismatch, CPRA greater than or equal to 0% but less than or equal to 20%, less than 18 at time of match, and blood type identical | Any |
| 19 | Nation | 0-ABDR mismatch, CPRA greater than or equal to 0% but less than or equal to 20%, less than 18 at time of match, and blood type identical | Any |
| 20 | OPO's region | 0-ABDR mismatch, CPRA greater than or equal to 21% but no greater than 79%, and blood type identical | Any |
| 21 | Nation | 0-ABDR mismatch, CPRA greater than or equal to 21% but no greater than 79%, and blood type identical | Any |
| 22 | OPO's DSA | 0-ABDR mismatch, blood type B | 0 |
| 23 | OPO's region | 0-ABDR mismatch, CPRA greater than or equal to 80%, and blood type B | 0 |
| 24 | Nation | 0-ABDR mismatch, CPRA greater than or equal to 80%, and blood type B | 0 |
| 25 | OPO's region | 0-ABDR mismatch, CPRA greater than or equal to 21% but no greater than 79%, less than 18 at time of match, and blood type B | 0 |
| 26 | Nation | 0-ABDR mismatch, CPRA greater than or equal to 21% but no greater than 79%, less than 18 at time of match, and blood type B | 0 |
| 27 | OPO's region | 0-ABDR mismatch, CPRA greater than or equal to 0% but less than or equal to 20%, less than 18 at time of match, and blood type B | 0 |

| Classification | Candidates that are within the: | And are: | When the donor is this blood type: |
|----------------|---------------------------------|--|------------------------------------|
| 28 | Nation | 0-ABDR mismatch, CPRA greater than or equal to 0% but less than or equal to 20%, less than 18 at time of match, and blood type B | 0 |
| 29 | OPO's region | 0-ABDR mismatch, CPRA greater than or equal to 21% but no greater than 79%, and blood type B | 0 |
| 30 | Nation | 0-ABDR mismatch, CPRA greater than or equal to 21% but no greater than 79%, and blood type B | 0 |
| 31 | OPO's DSA | 0-ABDR mismatch, blood type permissible | Any |
| 32 | OPO's region | 0-ABDR mismatch, CPRA greater than or equal to 80%, and blood type permissible | Any |
| 33 | Nation | 0-ABDR mismatch, CPRA greater than or equal to 80%, and blood type permissible | Any |
| 34 | OPO's region | 0-ABDR mismatch, CPRA greater than or equal to 21% but no greater than 79%, less than 18 at time of match, and blood type permissible | Any |
| 35 | Nation | 0-ABDR mismatch, CPRA greater than or equal to 21% but no greater than 79%, less than 18 at time of match, and blood type permissible | Any |
| 36 | OPO's region | 0-ABDR mismatch, CPRA greater than or equal to 0% but less than or equal to 20%, less than 18 at time of match, and blood type permissible | Any |
| 37 | Nation | 0-ABDR mismatch, CPRA greater than or equal to 0% but less than or equal to 20%, less than 18 at time of match, and blood type permissible | Any |
| 38 | OPO's region | 0-ABDR mismatch, CPRA greater than or equal to 21% but no greater than 79%, and blood type permissible | Any |
| 39 | Nation | 0-ABDR mismatch, CPRA greater than or equal to 21% but no greater than 79%, and blood type permissible | Any |
| 40 | OPO's DSA | Prior living donor, blood type permissible or identical | Any |

| Classification | Candidates that are within the: | And are: | When the donor is this blood type: |
|-------------------------|---------------------------------|---|------------------------------------|
| 41 | OPO's DSA | Registered prior to 18 years old, blood type permissible or identical | Any |
| <u>42</u> | OPO's DSA | Prior liver recipients that meet the qualifying criteria according to Policy 8.5.H: Prioritization for Liver Recipients on the Kidney Waiting List, blood type permissible or identical | <u>Any</u> |
| 4 <u>23</u> | OPO's DSA | Blood type B | A2 or A2B |
| 43 <u>4</u> | OPO's DSA | All remaining candidates, blood type permissible or identical | Any |
| 44 <u>5</u> | OPO's region | Registered prior to 18 years old, blood type permissible or identical | Any |
| 4 <u>56</u> | OPO's region | Blood type B | A2 or A2B |
| 4 6 <u>7</u> | OPO's region | All remaining candidates, blood type permissible or identical | Any |
| 47 <u>8</u> | Nation | Registered prior to 18 years old, blood type permissible or identical | Any |
| 4 <u>89</u> | Nation | Blood type B | A2 or A2B |
| 4 9 50 | Nation | All remaining candidates, blood type permissible or identical | Any |

8.5.<u>JK</u> Allocation of Kidneys from Deceased Donors with KDPI Scores Greater than or Equal to 35% but Less than or Equal to 85%

Kidneys from donors with KDPI scores greater than or equal to 35% but less than or equal to 85% are allocated to candidates according to *Table 8-7* below.

Table 8-7: Allocation of Kidneys from Deceased Donors with KDPI Greater Than or Equal To 35% and Less Than or Equal To 85%

| Classification | Candidates that are within the: | And are: | And the donor is this blood type: |
|----------------|---------------------------------|--|-----------------------------------|
| 1 | OPO's DSA | 0-ABDR mismatch, CPRA equal to 100%, blood type permissible or identical | Any |
| 2 | OPO's DSA | CPRA equal to 100%, blood type permissible or identical | Any |
| 3 | OPO's region | 0-ABDR mismatch, CPRA equal to 100%, blood type permissible or identical | Any |
| 4 | OPO's region | CPRA equal to 100%, blood type permissible or identical | Any |
| 5 | Nation | 0-ABDR mismatch, CPRA equal to 100%, blood type permissible or identical | Any |
| 6 | Nation | CPRA equal to 100%, blood type permissible or identical | Any |

| Classification | Candidates that are within the: | And are: | And the donor is this blood type: |
|----------------|---------------------------------|--|-----------------------------------|
| 7 | OPO's DSA | 0-ABDR mismatch, CPRA equal to 99%, blood type permissible or identical | Any |
| 8 | OPO's DSA | CPRA equal to 99%, blood type permissible or identical | Any |
| 9 | OPO's region | 0-ABDR mismatch, CPRA equal to 99%, blood type permissible or identical | Any |
| 10 | OPO's region | CPRA equal to 99%, blood type permissible or identical | Any |
| 11 | OPO's DSA | 0-ABDR mismatch, CPRA equal to 98%, blood type permissible or identical | Any |
| 12 | OPO's DSA | CPRA equal to 98%, blood type permissible or identical | Any |
| 13 | OPO's DSA | 0-ABDR mismatch, blood type identical | Any |
| 14 | OPO's region | 0-ABDR mismatch, CPRA greater than or equal to 80%, and blood type identical | Any |
| 15 | Nation | 0-ABDR mismatch, CPRA greater than or equal to 80%, and blood type identical | Any |
| 16 | OPO's region | 0-ABDR mismatch, CPRA greater than or equal to 21% but no greater than 79%, less than 18 at time of match, and blood type identical | Any |
| 17 | Nation | 0-ABDR mismatch, CPRA greater than or equal to 21% but no greater than 79%, less than 18 at time of match, and blood type identical | Any |
| 18 | OPO's region | 0-ABDR mismatch, CPRA greater than or equal to 0% but less than or equal to 20%, less than 18 at time of match, and blood type identical | Any |
| 19 | Nation | 0-ABDR mismatch, CPRA greater than or equal to 0% but less than or equal to 20%, less than 18 at time of match, and blood type identical | Any |
| 20 | OPO's region | 0-ABDR mismatch, CPRA greater than or equal to 21% but no greater than 79%, and blood type identical | Any |
| 21 | Nation | 0-ABDR mismatch, CPRA greater than or equal to 21% but no greater than 79%, and blood type identical | Any |
| 22 | OPO's DSA | 0-ABDR mismatch, and blood type B | 0 |
| 23 | OPO's region | 0-ABDR mismatch, CPRA greater than or equal to 80%, and blood type B | 0 |
| 24 | Nation | 0-ABDR mismatch, CPRA greater than or equal to 80%, and blood type B | 0 |
| 25 | OPO's region | 0-ABDR mismatch, CPRA greater than or equal to 21% but no greater than 79%, less than 18 at time of match, and blood type B | 0 |

| Classification | Candidates that are within the: | And are: | And the donor is this blood type: |
|----------------|---------------------------------|--|-----------------------------------|
| 26 | Nation | 0-ABDR mismatch, CPRA greater than or equal to 21% but no greater than 79%, less than 18 at time of match, and blood type B | 0 |
| 27 | OPO's region | 0-ABDR mismatch, CPRA greater than or equal to 0% but less than or equal to 20%, less than 18 at time of match, and blood type B | 0 |
| 28 | Nation | 0-ABDR mismatch, CPRA greater than or equal to 0% but less than or equal to 20%, less than 18 at time of match, and blood type B | 0 |
| 29 | OPO's region | 0-ABDR mismatch, CPRA greater than or equal to 21% but no greater than 79%, and blood type B | 0 |
| 30 | Nation | 0-ABDR mismatch, CPRA greater than or equal to 21% but no greater than 79%, and blood type B | 0 |
| 31 | OPO's DSA | 0-ABDR mismatch, blood type permissible | Any |
| 32 | OPO's region | 0-ABDR mismatch, CPRA greater than or equal to 80%, and blood type permissible | Any |
| 33 | Nation | 0-ABDR mismatch, CPRA greater than or equal to 80%, and blood type permissible | Any |
| 34 | OPO's region | 0-ABDR mismatch, CPRA greater than or equal to 21% but no greater than 79%, less than 18 years old at time of match, and blood type permissible | Any |
| 35 | Nation | 0-ABDR mismatch, CPRA greater than or equal to 21% but no greater than 79%, less than 18 years old at time of match, and blood type permissible | Any |
| 36 | OPO's region | 0-ABDR mismatch, CPRA greater than or equal to 0% but less than or equal to 20%, less than 18 years old at time of match, and blood type permissible | Any |
| 37 | Nation | 0-ABDR mismatch, CPRA greater than or equal to 0% but less than or equal to 20%, less than 18 years old at time of match, and blood type permissible | Any |
| 38 | OPO's region | 0-ABDR mismatch, CPRA greater than or equal to 21% but no greater than 79%, and blood type permissible | Any |
| 39 | Nation | 0-ABDR mismatch, CPRA greater than or equal to 21% but no greater than 79%, and blood type permissible | Any |
| 40 | OPO's DSA | Prior living donor, blood type permissible or identical | Any |

| Classification | Candidates that are within the: | And are: | And the donor is this blood type: |
|------------------|---------------------------------|---|-----------------------------------|
| <u>41</u> | OPO's DSA | Prior liver recipients that meet the qualifying criteria according to Policy 8.5.H: Prioritization for Liver Recipients on the Kidney Waiting List, blood type permissible or identical | <u>Any</u> |
| 41 <u>2</u> | OPO's DSA | Blood type B | A2 or A2B |
| 4 2 3 | OPO's DSA | All remaining candidates, blood type permissible or identical | Any |
| 4 <u>34</u> | OPO's region | Blood type B | A2 or A2B |
| 44 <u>5</u> | OPO's region | All remaining candidates, blood type permissible or identical | Any |
| 4 5 6 | Nation | Blood type B | A2 or A2B |
| 46 <u>7</u> | Nation | All remaining candidates, blood type permissible or identical | Any |

8.5.KL Allocation of Kidneys from Deceased Donors with KDPI Scores Greater than 85%

With the exception of 0-ABDR mismatches, kidneys from deceased donors with KDPI scores greater than 85% will be allocated to adult candidates only.

Kidneys from deceased donors with KDPI scores greater than 85% are allocated to candidates according to *Table 8-8* below.

Table 8-8: Allocation of Kidneys from Deceased Donors with KDPI Scores Greater Than 85%

| Classification | Candidates that are within the: | And are: | And the donor is this blood type: |
|----------------|---------------------------------|--|-----------------------------------|
| 1 | OPO's DSA | 0-ABDR mismatch, CPRA equal to 100%, blood type permissible or identical | Any |
| 2 | OPO's DSA | CPRA equal to 100%, blood type permissible or identical | Any |
| 3 | OPO's region | 0-ABDR mismatch, CPRA equal to 100%, blood type permissible or identical | Any |
| 4 | OPO's region | CPRA equal to 100%, blood type permissible or identical | Any |
| 5 | Nation | 0-ABDR mismatch, CPRA equal to 100%, blood type permissible or identical | Any |
| 6 | Nation | CPRA equal to 100%, blood type permissible or identical | Any |
| 7 | OPO's DSA | 0-ABDR mismatch, CPRA equal to 99%, blood type permissible or identical | Any |
| 8 | OPO's DSA | CPRA equal to 99%, blood type permissible or identical | Any |
| 9 | OPO's region | 0-ABDR mismatch, CPRA equal to 99%, blood type permissible or identical | Any |
| 10 | OPO's region | CPRA equal to 99%, blood type permissible or identical | Any |

| Classification | Candidates that are within the: | And are: | And the donor is this blood type: |
|----------------|---------------------------------|---|-----------------------------------|
| 11 | OPO's DSA | 0-ABDR mismatch, CPRA equal to 98%, blood type permissible or identical | Any |
| 12 | OPO's DSA | CPRA equal to 98%, blood type permissible or identical | Any |
| 13 | OPO's DSA | 0-ABDR mismatch, blood type permissible or identical | Any |
| 14 | OPO's region | 0-ABDR mismatch, CPRA greater than or equal to 80%, and blood type identical | Any |
| 15 | Nation | 0-ABDR mismatch, CPRA greater than or equal to 80%, and blood type identical | Any |
| 16 | OPO's region | 0-ABDR mismatch, CPRA greater than or equal to 21% but no greater than 79%, and blood type identical | Any |
| 17 | Nation | 0-ABDR mismatch, CPRA greater than or equal to 21% but no greater than 79%, and blood type identical | Any |
| 18 | OPO's DSA | 0-ABDR mismatch, blood type B | 0 |
| 19 | OPO's region | 0-ABDR mismatch, CPRA greater than or equal to 80%, and blood type B | 0 |
| 20 | Nation | 0-ABDR mismatch, CPRA greater than or equal to 80%, and blood type B | 0 |
| 21 | OPO's region | 0-ABDR mismatch, CPRA greater than or equal to 21% but no greater than 79%, and blood type B | 0 |
| 22 | Nation | 0-ABDR mismatch, CPRA greater than or equal to 21% but no greater than 79%, and blood type B | 0 |
| 23 | OPO's DSA | 0-ABDR mismatch, blood type permissible | Any |
| 24 | OPO's region | 0-ABDR mismatch, CPRA greater than or equal to 80%, and blood type permissible | Any |
| 25 | Nation | 0-ABDR mismatch, CPRA greater than or equal to 80%, and blood type permissible | Any |
| 26 | OPO's region | 0-ABDR mismatch, CPRA greater than or equal to 21% but no greater than 79%, and blood type permissible | Any |
| 27 | Nation | 0-ABDR mismatch, CPRA greater than or equal to 21% but no greater than 79%, and blood type permissible | Any |
| <u>28</u> | OPO's DSA | Prior liver recipients that meet the qualifying criteria according to Policy 8.5.H: Prioritization for Liver Recipients on the Kidney Waiting List, blood type permissible or identical | <u>Any</u> |
| 28 <u>9</u> | OPO's region | Blood type B | A2 or A2B |

| Classification | Candidates that are within the: | And are: | And the donor is this blood type: |
|------------------|---------------------------------|---|-----------------------------------|
| 29 30 | OPO's region | All remaining candidates, blood type permissible or identical | Any |
| 3 <u>01</u> | Nation | Blood type B | A2 or A2B |
| 31 <u>2</u> | Nation | All remaining candidates, blood type permissible or identical | Any |

9.7 Administrative Rules Liver-Kidney Allocation

If a host OPO procures a kidney along with other organs, the host OPO must first offer the kidney according to one of the following policies before allocating the kidney to kidney alone candidates according to Policy 8: Allocation of Kidneys:

- Policy 5.10.C: Other Multi-Organ Combinations
- Policy 9.7: Liver-Kidney Allocation
- Policy 11.4.A: Kidney-Pancreas Allocation Order

If a host OPO is offering a kidney and a liver from the same deceased donor, then the host OPO must offer the kidney and liver according to both of the following:

- Before allocating the kidney to kidney alone candidates, the host OPO must offer the kidney with the liver to local candidates who meet eligibility according to Table 9-11: Medical Eligibility Criteria for Liver-Kidney Allocation and regional candidates who meet eligibility according to Table 9-11 and have a MELD score of at least 35 or status 1A.
- 2. The host OPO may then do either of the following:
 - a. The host OPO may offer the kidney and liver to any candidates who meet eligibility in Table 9-11: Medical Eligibility Criteria for Liver-Kidney Allocation.
 - b. After completing #1 above, the host OPO may offer the liver to liver alone candidates according to *Policy 9: Allocation of Livers and Liver-Intestines* and offer the kidney to kidney alone candidates according to *Policy 8: Allocation of Kidneys*.

9.7.A Liver-Kidney Candidate Eligibility for Candidates Less than 18 Years Old

Candidates who are less than 18 years old when registered on the liver waiting list are eligible to receive a liver and kidney from the same deceased donor when the candidate is registered on the waiting list for both organs. Before allocating the kidney to kidney alone candidates, the host OPO must offer the kidney with the liver to all local, regional, and national candidates less than 18 years old at the time of registration.

9.7.B Liver-Kidney Candidate Eligibility for Candidates 18 Years or Older

Candidates who are 18 years or older when registered on the liver waiting list are eligible to receive both a liver and a kidney from the same deceased donor when the candidate is registered on the waiting list for both organs and meets at least *one* of the criteria according to Table 9-11 below.

Table 9-11: Medical Eligibility Criteria for Liver-Kidney Allocation

| If the candidate's transplant nephrologist confirms a diagnosis of: | Then the transplant program must report to the OPTN Contractor and document in the candidate's medical record: |
|--|---|
| Chronic kidney disease (CKD) with a measured or calculated glomerular filtration rate (GFR) less than or equal to 60 mL/min for greater than 90 consecutive days | At least one of the following: That the candidate has begun regularly administered dialysis as an end-stage renal disease (ESRD) patient in a hospital based, independent non-hospital based, or home setting. At the time of registration on the kidney waiting list, that the candidate's most recent measured or calculated creatinine clearance (CrCl) or GFR is less than or equal to 30 mL/min. On a date after registration on the kidney waiting list, that the candidate's measured or calculated CrCl or GFR is less than or equal to 30 mL/min. |
| Sustained acute kidney injury | At least one of the following, or a combination of both of the following, for the last 6 weeks: That the candidate has been on dialysis at least once every 7 days. That the candidate has a measured or calculated CrCl or GFR less than or equal to 25 mL/min at least once every 7 days. If the candidate's eligibility is not confirmed at least once every seven days for the last 6 weeks, the candidate is not eligible to receive a liver and a kidney from the same donor. |
| Metabolic disease | A diagnosis of at least one of the following: Hyperoxaluria Atypical hemolytic uremic syndrome (HUS) from mutations in factor H or factor I Familial non-neuropathic systemic amyloidosis Methylmalonic aciduria |

9.78 Administrative Rules

[Subsequent headings affected by the re-numbering of this policy will also be changed as necessary.]