Medical Necessity Guidelines: Solid Organ Transplant: Liver

Effective: July 20, 2017

<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>☑️</td>
<td></td>
</tr>
</tbody>
</table>

Applies to:

- ☑️ Tufts Health Plan Commercial Plans products; Fax: 617.972.9409
- ☑️ Tufts Health Public Plans products
  - ☑️ Tufts Health Direct – Health Connector; Fax: 888.415.9055
  - ☑️ Tufts Health Together – A MassHealth Plan; Fax: 888.415.9055
  - ☐ Tufts Health Unify – OneCare Plan; Fax: 781.393.2607
  - ☑️ Tufts Health RITogether – A Rhode Island Medicaid Plan; Fax: 857.304.6404
- ☑️ Tufts Health Freedom Plan products; Fax: 617.972.9409

Note: While you may not be the provider responsible for obtaining prior authorization, as a condition of payment you will need to make sure that prior authorization has been obtained.

OVERVIEW

Liver transplantation or hepatic transplantation is the replacement of a diseased liver with a healthy liver or split organ from a living or cadaveric donor.

To initiate the prior authorization process, it is necessary to complete and submit the Liver Transplant Request for Coverage Form.

COVERAGE GUIDELINES

Tufts Health Plan may authorize coverage of a liver transplantation for Members with one of the following:

- Acute liver failure from any cause
- Decompensated chronic liver disease leading to liver failure due to portal hypertension as manifested by one of the following:
  - Variceal hemorrhage
  - Recurrent ascites
  - Recurrent encephalopathy
  - Hepatorenal syndrome
- Hepatocellular carcinoma when no lesion > 5 cm OR no more than 3 lesions the largest < 3 cm or when exceeding these parameters, and the transplant center believes the benefit of transplant outweighs the risk of post-transplant recurrence.
- Satisfactory psychosocial and support systems in place.

LIMITATIONS

Tufts Health Plan will not authorize the coverage of a liver transplant for Members with one of the following:

- Untreated/unstable cardiopulmonary disease
- Extrahepatic malignancy within the past 5 years (excluding superficial skin cancers) or those not meeting oncologic criteria for cure
- Hepatic malignancy not meeting indication criteria above
- Any unresolved psychosocial concerns or history of noncompliance with medical management
- Active drug, substance or alcohol abuse or dependency within the past 6 months, or unlikely to remain sober post-transplant
- Active tobacco use within the last 6 months such as actively smoking cigarettes, or using any nicotine delivery system products (e.g., gum, patches, electronic cigarettes)
- Members with human immunodeficiency virus (HIV) disease unless ALL of the following are met:

2111524 1 Solid Organ Transplant: Liver
- Pre-transplant evaluation by an infectious disease specialist with expertise in HIV and transplantation as well as confirmation of plans for continued follow-up after transplantation with an infectious disease specialist of same expertise
- CD4 count greater than 200 cells/mm³
- Undetectable HIV-1 ribonucleic acid (RNA)
- Stable anti-retroviral therapy for > than three months
- Absence of serious complications associated with or secondary to HIV disease (e.g., opportunistic infection, including aspergillus, tuberculosis, coccidioidomycosis, resistant fungal infections, Kaposi’s sarcoma, and/or other neoplasm)

**CODES**

The following HCPCS/CPT code(s) require prior authorization:

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>47135</td>
<td>Liver allotransplantation; orthotopic, partial or whole, from cadaver or living donor, any age</td>
</tr>
<tr>
<td>47140</td>
<td>Donor hepatectomy (including cold preservation), from living donor; left lateral segment only (segments II and III)</td>
</tr>
<tr>
<td>47141</td>
<td>Donor hepatectomy (including cold preservation), from living donor; total left lobectomy (segments II, III and IV)</td>
</tr>
<tr>
<td>47142</td>
<td>Donor hepatectomy (including cold preservation), from living donor; total right lobectomy (segments V, VI, VII and VIII)</td>
</tr>
<tr>
<td>47143</td>
<td>Backbench standard preparation of cadaver donor whole liver graft prior to allotransplantation, including cholecystectomy, if necessary, and dissection and removal of surrounding soft tissues to prepare the vena cava, portal vein, hepatic artery, and common bile duct for implantation; without trisegment or lobe split</td>
</tr>
<tr>
<td>47144</td>
<td>Backbench standard preparation of cadaver donor whole liver graft prior to allotransplantation, including cholecystectomy, if necessary, and dissection and removal of surrounding soft tissues to prepare the vena cava, portal vein, hepatic artery, and common bile duct for implantation; with trisegment split of whole liver graft into 2 partial liver grafts (i.e., left lateral segment [segments II and III] and right trisegment (segments I and IV through VIII)</td>
</tr>
<tr>
<td>47145</td>
<td>Backbench standard preparation of cadaver donor whole liver graft prior to allotransplantation, including cholecystectomy, if necessary, and dissection and removal of surrounding soft tissues to prepare the vena cava, portal vein, hepatic artery, and common bile duct for implantation; with lobe split of whole liver graft into two partial liver grafts (i.e., left lobe (segments II, III, and IV) and right lobe (segments I and V through VIII)</td>
</tr>
<tr>
<td>47146</td>
<td>Backbench reconstruction of cadaver or living donor liver graft prior to allotransplantation; venous anastomosis, each</td>
</tr>
<tr>
<td>47147</td>
<td>Backbench reconstruction of cadaver or living donor liver graft prior to allotransplantation; arterial anastomosis, each</td>
</tr>
</tbody>
</table>

**REFERENCES**


**APPROVAL HISTORY**

January 2004: Reviewed by the Clinical Coverage Criteria Committee

Subsequent endorsement date(s) and changes made:

- April 14, 2007: Criteria placed in new format
- April 25, 2008: Reviewed and renewed without changes
- May 4, 2009: Coverage guidelines clarified, recurrent cholangitis in Members with primary sclerosing cholangitis and intractable pruritis in Members with primary biliary cirrhosis were
removed from the guideline; guidelines for the coverage of a liver transplant in Members with hepatocellular carcinoma were changed. Requirement was added for coverage for members with HIV: Pre-transplant evaluation by an infectious disease specialist with expertise in HIV and transplantation and confirmation of plans for continued follow-up after transplantation with an infectious disease specialist with that expertise.

- November 1, 2009: Reviewed by Medical Affairs Medical Policy Committee, no changes.
- November 2010: Reviewed by MCMC, no changes
- December 14, 2011: Reviewed by Integrated Medical Policy Advisory Committee (IMPAC), no changes
- December 12, 2012: Reviewed by IMPAC, no changes
- August 6, 2012: Tobacco use clarified
- December 11, 2013: Reviewed by IMPAC, renewed without changes
- December 10, 2014: Reviewed by IMPAC, renewed without changes
- August 12, 2015: Reviewed by IMPAC, renewed without changes
- September 2015: Branding and template change to distinguish Tufts Health Plan products in "Applies to" section. Added Tufts Health Freedom Plan products, effective January 1, 2016.
- December 31, 2015: Coding updated. Per AMA CPT®, effective January 1, 2016 the following code(s) deleted: 47136
- July 20, 2016: Reviewed by IMPAC renewed without changes
- December 13, 2016: Contact information updated
- April 2017: Added RITogether Plan product to template. For MNGs applicable to RITogether, effective date is August 1, 2017
- July 20, 2017: Reviewed by IMPAC, renewed without changes
- September 18, 2017: Administrative update

**BACKGROUND, PRODUCT AND DISCLAIMER INFORMATION**

Medical Necessity Guidelines are developed to determine coverage for benefits, and are published to provide a better understanding of the basis upon which coverage decisions are made. We make coverage decisions using these guidelines, along with the Member’s benefit document, and in coordination with the Member’s physician(s) on a case-by-case basis considering the individual Member's health care needs.

Medical Necessity Guidelines are developed for selected therapeutic or diagnostic services found to be safe and proven effective in a limited, defined population of patients or clinical circumstances. They include concise clinical coverage criteria based on current literature review, consultation with practicing physicians in the our service area who are medical experts in the particular field, FDA and other government agency policies, and standards adopted by national accreditation organizations. We revise and update Medical Necessity Guidelines annually, or more frequently if new evidence becomes available that suggests needed revisions.

Medical Necessity Guidelines apply to the fully insured Commercial and Medicaid products when Tufts Health Plan conducts utilization review unless otherwise noted in this guideline or in the Member’s benefit document, and may apply to Tufts Health Unify to the same extent as Tufts Health Together. This guideline does not apply to Tufts Medicare Preferred HMO, Tufts Health Plan Senior Care Options or to certain delegated service arrangements. For self-insured plans, coverage may vary depending on the terms of the benefit document. If a discrepancy exists between a Medical Necessity Guideline and a self-insured Member’s benefit document, the provisions of the benefit document will govern. Applicable state or federal mandates or other requirements will take precedence. For CareLink℠ Members, Cigna conducts utilization review so Cigna’s medical necessity guidelines, rather than these guidelines, will apply.

Treating providers are solely responsible for the medical advice and treatment of Members. The use of these guidelines is not a guarantee of payment or a final prediction of how specific claim(s) will be adjudicated. Claims payment is subject to eligibility and benefits on the date of service, coordination of benefits, referral/authorization, utilization management guidelines when applicable, and adherence to plan policies, plan procedures, and claims editing logic.