

# Children’s Wisconsin

## Co-Management Guidelines

To support collaborative care, we have developed guidelines for our community providers to utilize when referring to, and managing patients with, the pediatric specialists at Children’s Wisconsin. These guidelines provide protocols for jointly managing patient cases between community providers and our pediatric specialists.

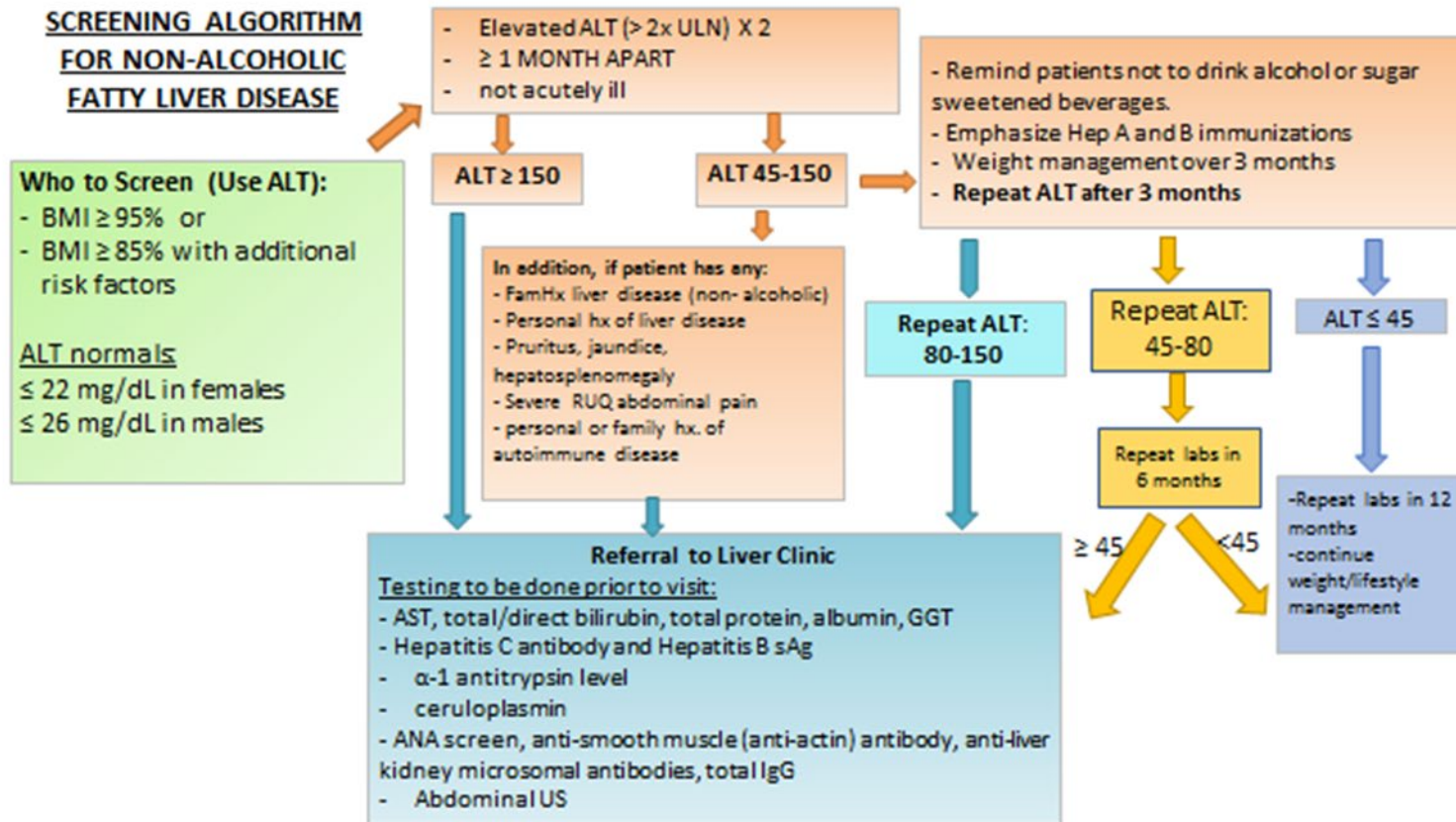
Non-Alcoholic Fatty Liver Disease (NAFLD)				
Screening with Algorithm				
Diagnosis/symptom	Referring provider’s initial evaluation and management:	When to initiate referral/ consider refer to Liver Clinic:	What can refer provider send to Liver Clinic?	
<p><b>Whom to screen:</b></p> <ul style="list-style-type: none"> <li>BMI &gt; 95%</li> <li>BMI &gt;85% with additional risk factors such as metabolic syndrome, obstructive sleep apnea, poly cystic ovary disease</li> <li>Family history of NAFLD</li> <li>Personal history of liver disease</li> </ul> <p><b>Signs and symptoms (RARE)</b>                      Jaundice                      Ascites                      Abnormal bruising (Petechia, Purpura)                      Right upper quadrant pain                      Chronic fatigue                      Hepatomegaly                      Splenomegaly</p> <p>Family history of NAFLD</p>	<p><b>Diagnosis and Treatment</b></p> <ul style="list-style-type: none"> <li>Obtain ALT</li> <li>See Algorithm</li> </ul> <p><b>Asymptomatic</b></p> <ul style="list-style-type: none"> <li>ALT 45-150 (repeat x2 1 month apart) to confirm.</li> <li>Repeat ALT &gt; 80-Refer to Specialist</li> <li>Repeat ALT 45-80: Monitor every 6 months; weight/lifestyle management</li> <li>Repeat ALT &lt;45-Monitor every 12 months; weight/lifestyle management</li> <li>personal family or family history liver or autoimmune disease</li> </ul> <p><b>Weight /Lifestyle Management</b></p> <p><b>Resources:</b></p>	<p><b>Symptomatic</b></p> <ul style="list-style-type: none"> <li>ALT 45-150 with symptoms</li> <li>personal family or family history liver or autoimmune disease</li> </ul> <p><b>Asymptomatic</b></p> <ul style="list-style-type: none"> <li>ALT &gt; 150 (first lab)</li> <li>Repeat ALT 80-150</li> </ul> <p><b>Testing to be obtained upon referral to Liver Clinic:</b></p> <ul style="list-style-type: none"> <li>AST, total/direct bilirubin, total protein, albumin, GGT</li> <li>Hepatitis C antibody and Hepatitis B sAg</li> <li>α-1 antitrypsin level</li> <li>ceruloplasma</li> <li>ANA screen, anti-smooth muscle (anti-actin) antibody, anti-liver kidney microsomal antibodies, total IgG</li> <li>Abdominal ultrasound</li> </ul>	<p><b>Internal Provider using Epic:</b></p> <ul style="list-style-type: none"> <li>Place Ambulatory Referral to Gastroenterology Clinic</li> </ul> <p><b>External Provider using EPIC:</b></p> <ul style="list-style-type: none"> <li>Please complete the external referral order to CHW_GASTROENTEROLOGY CLINICS</li> </ul> <p>OR</p> <p><b>Fax referral to Central Scheduling at (414) 607-5288</b></p> <p><b>In order to help triage our patients maximize the visit, it would also be helpful to include:</b></p> <ul style="list-style-type: none"> <li>Chief complaint, onset, frequency</li> <li>Recent progress notes</li> <li>Urgency of the referral</li> </ul>	



For questions concerning this work,  
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	<a href="https://childrenswi.org/medical-care/weight-management/weight-management-tips">https://childrenswi.org/medical-care/weight-management/weight-management-tips</a>  <a href="https://childrenswi.org/medical-care/weight-management/five-missions">https://childrenswi.org/medical-care/weight-management/five-missions</a>  <a href="https://childrenswi.org/medical-care/weight-management/obesity">https://childrenswi.org/medical-care/weight-management/obesity</a>  <a href="https://childrenswi.org/medical-care/weight-management">https://childrenswi.org/medical-care/weight-management</a>		<ul style="list-style-type: none"> <li>• <b>Labs and imaging results with additional recommended testing to be obtained</b></li> <li>• Other Diagnoses</li> <li>• Office notes with medications tried/failed in the past and any lab work that may have been obtained regarding this patient's problems.</li> </ul>	
<p><b>Causes:</b> Obesity, Genetics</p>				



**Medical Disclaimer**

Medicine is a dynamic science; as research and clinical experience enhance and inform the practice of medicine, changes in treatment protocols and drug therapies are required. The authors have checked with sources believed to be reliable in their effort to provide information that is complete and generally in accord with standards accepted at the time of publication. However, because of the possibility of human error and changes in medical science, neither the authors nor Children’s Hospital and Health System, Inc. nor any other party involved in the preparation of this work warrant that the information contained in this work is in every respect accurate or complete, and they are not responsible for any errors in, omissions from, or results obtained from the use of this information. Readers are encouraged to confirm the information contained in this work with other sources.

