

Diagnostic work-up	<p>Basic chemistry: liver function test (ALT, AST, ALP, Total and Direct Bilirubin, Albumin, GGT) full blood count urea and electrolytes INR</p> <p>Immunology: IgG level ANA antibodies SMA antibodies Anti-LKM-1 antibodies Anti-LC-1 antibodies</p> <p>Histology: liver biopsy</p> <p>Imaging: Abdominal US with spleen size</p>
Additional Work-up	<p>Additional Imaging: Elastography (if available)</p> <p>Screening: MRCP Faecal calprotectin Anti-TTG antibodies Surveillance endoscopy (if indicated)</p> <p>Screening for other liver diseases: DILI Wilson's Viral Hepatitis A1AT deficiency NAFLD</p> <p>Management planning: TPMT genotyping and/or TPMT activity</p>

Supplemental Table 1: Suggested diagnostic and additional work-up investigations for autoimmune hepatitis in children.

AST: aspartate aminotransferase; ALT: alanine aminotransferase; ALP: alkaline aminotransferase; INR: International normalised ratio; IgG: immunoglobulin G; ANA: antinuclear antibodies; SMA: smooth muscle antibodies; LKM: liver kidney microsomal; LC: liver cytosol; US: ultrasound; MRCP: magnetic resonance cholangiopancreatography; TTG: tissue transglutaminase; DILI: drug induced liver injury; A1AT: alpha-1-antitrypsin; NAFLD: non-alcoholic fatty liver disease TPMT: thiopurine methyltransferase; GGT: gamma-glutamyltransferase