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Santé publique France

Case definition for the investigation of pediatric cases of severe acute hepatitis "of unknown etiology"

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Definition of a possible case

Child under the age of 18, having presented **since January 1, 2022, severe acute hepatitis, defined by:** cytolysis (ASAT and/or ALAT) > 500 IU/L and a prothrombin level (PT) < 50%

• **With a negative first-line etiological assessment:**
- Negative toxicological assessment: paracetamol, halothane, phalloid syndromes, sodium valproate, isoniazid, rifampicin, phenobarbital, sulfonamides;
- No known or very strongly suspected chronic liver disease (a1AT deficiency, Wilson's disease, autoimmune hepatitis, progressive familial intrahepatic cholestasis), no known or very strongly suspected metabolic cause, or acute leukaemia;
- No virus detected among the following: HAV, HBV, HCV, HEV, HSV, HHV6/8, EBV, CMV, VZV, parvovirus, echovirus, cocksakie, SARS-CoV2, influenza virus.

• **OR with a positive Adenovirus,** with or without infectious agent detected, with or without chronic liver disease, with or without metabolic cause