

The invention relates to medicine, in particular to pediatrics and gastroenterology, and it may be used for cholelithiasis screening-diagnostics. A method for early detection of gallstone disease in children is carried out by blood plasma examination. Intensity of metabolic luminescence at the chemiluminescence is measured and if the value of intensity is within the limits of 13000-24000 imp./c, the pre-clinical period of gallstone disease is diagnosed. If the intensity of luminescence is less than 13000 imp./c, the clinical period of disease is diagnosed. Measuring of metabolic luminescence intensity at the chemiluminescence is carried in consideration of background and maximal indexes in a time of induced chemiluminescence.