

Abstrakt

The bachelor thesis deals with the issue of urine collection for microbiology testing in newborns and infants. The theoretical part describes anatomy and physiology of the urinary system. It also mentions possible techniques for obtaining a urine sample and deals with microbiological examination of urine in more detail.

The practical part examines the used methods of sampling and transport of the collected urine sample at children's and neonatal departments of faculty hospitals in Prague and Bratislava. At the end of the thesis there is a recommended procedure for urine collection for microbiological examination and a proposal of an educational material for the collection of medium urine stream, which could serve mainly to parents as an helpful leaflet.

Key words: urinary system, urinary system anatomy, urinary system physiology, urine examination, microbiological examination, urine collection