

Abstract

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Form: Bachelor thesis

Field of study: Medical Laboratory Technician

Title: Diagnosis and treatment of glomerulonephritis in children

Aim of the work: The aim of this theses is to present current examination methods for kidney disease and to describe in more detail the types of glomerulonephritis. A part of the work is also a case report of teenage girl who suffered from glomerulonephritis.

Main findings: The thesis is divided into 5 parts. The first part contains information about the anatomy of the kidneys, the physiology of the kidneys and inflammatory diseases of the kidneys. The second part deals with all possible examination methods in nephrology. The chapter describes the examination of urine, which is further divided into the technique of sample acquisition, diuresis, techniques of sample examination, proteinuria and hematuria. In this chapter we will focus on ultrasonography, immunology and renal biopsy too. In the third part we will get acquainted with acute glomerulonephritis. We will discuss rapidly progressing glomerulonephritis in the fourth part. The last chapter is devoted to chronic glomerulonephritis.

Conclusion: In this bachelor's thesis are presented individual the examination methods in the diagnosis of glomerulonephritis, individual types of glomerulonephritis and their treatment.

Key words: kidneys, urine, proteinuria, hematuria, ultrasonography, autoantibodies, biopsy, glomerulonephritis