



## Renal biopsy in glomerulonephritis

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| ARTICLE INFO                                                                                                                                                                                                        | ABSTRACT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
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| <p><b>Article type</b><br/>Review article</p> <p><b>Article history</b><br/>Received: 25 Dec 2013<br/>Revised: 7 Jan 2014<br/>Accepted: 9 Jan 2014</p> <p><b>Keywords</b><br/>Children<br/>Epilepsy<br/>Seizure</p> | <p>Glomerulonephritis (GN) is responsible for 25-30% of end-stage renal disease (ESRD) among all causes. Renal biopsy is important to determine the GN treatment method and its prognosis. In some cases, renal biopsy is required for definitive diagnosis. Biopsies were used as a diagnostic method in different disease from 1930. They were performed blindly and at bedside. Complication rate varies from 2 to 20% in different reports. Percutaneous renal biopsy is a routine diagnostic procedure in nephrology nowadays, and it should be individualized for each patient depending on their age, BMI, coagulation status and the availability of skilled radiologist. In this paper, we review image-guided renal biopsy in glomerulonephritis.</p> |

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## Introduction

Glomerulonephritis (GN) is one of the major clinical disorders in nephrology patients, which imposes high cost and growing concern for healthcare systems. Immune complex formation and its glomerular deposition lead to GN, which causes kidney enlargement in some cases and glomerular swelling. Percutaneous needle biopsy is an important procedure in

diagnosis and assessment of the severity of kidney diseases. For complete evaluation of patients with Glomerulonephritis, clinical, laboratory and histopathological examination of kidney tissue are necessary. Histopathological assessment of kidney tissue plays a fundamental role in confirming the exact diagnosis, assessing and grading or staging the severity of

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