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## 병리조직검사서 “full-house” 패턴의 면역 복합체 침착이 발견된 비루푸스 신염

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### A Case of Non-lupus “Full-house” Nephropathy

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**Introduction:** Glomerular “full-house” immunofluorescence staining commonly indicates lupus nephritis. However some non-lupus nephropathy also can present with a “full-house” immunofluorescence pattern mimicking lupus nephritis. We report a case of “full-house” nephropathy in the absence of clinical or serological evidence of systemic lupus erythematosus (SLE).

**Case:** A 12-year-old boy presented with persistent microscopic hematuria. He had no family history of any kind of kidney disease. The vital sign and physical examination were not specific. The Result of serologic tests revealed: leucocytes, 6890/ $\mu$ L; Hb, 14.9 g/dL; platelets, 259,000/ $\mu$ L; c-reactive protein, <0.01 mg/dL; BUN, 11.3 mg/dL; creatine, 0.54 mg/dL; protein 7.3 g/dL; albumin 4.5 g/dL; cholesterol 179 mg/dL. The C3, C4, anti-dsDNA antibody, ANCA were all normal and anti-nuclear antibody was weakly positive. Urinalysis showed microscopic hematuria(RBC 10-19/HPF), proteinuria (30 mg/dL) and urine culture result were negative. Abdominal sonography showed no remarkable finding. Renal biopsy showed the finding of mesangial, subendothelial and subepithelial deposits which are variable in size in electron microscopy. Immunofluorescence microscopy revealed feature of full-house pattern of immunoglobulin G (IgG), IgM, IgA, C3, C1q in glomerular deposits. As these pathologic findings were suggestive of lupus as an underlying cause, But he had no clinical symptom and immunological evidence. So he was discharged and follow up the out patient clinic. In one year follow up, ANA negative and C3, C4 were normal. But microscopic hematuria was still positive (RBC 5-9/HPF)and no newly developed extramanifestation of SLE.

**Conclusion:** Although no clinical symptom and no immunologic evidence, full-house pattern of glomerular deposits, which strongly suggests lupus nephritis, and should be consider SLE as underlying cause. Close monitoring of ANA and extramanifestation of SLE who have full-house nephropathy but do not fulfilling lupus criteria.

**Key Words:** 혈뇨, 루푸스, 항핵항체검사

Full-house, Lupus, ANA

