

Effect of Hypertension on Childhood-onset Systemic Lupus Erythematosus in a Tertiary Medical Center in Korea

Jeong Yeon Kim, M.D., Heeyeon Cho, M.D., Ph.D.

Department of Pediatrics, Samsung Medical Center, Sungkyunkwan University School of Medicine, Seoul, South Korea

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4. Follow-up BP trends

During follow up, the prevalence of hypertension increased and at the last visit, 31.3% of patients were diagnosed as having **hypertension (n=10). In the last follow-up, stage 2 hypertension was prevalent than stage 1.** The median value of Ped-SDI at last follow up was 1.0. Among childhood-onset SLE patients with hypertension, 2 patients had 3 episodes of posterior reversible encephalopathy syndrome. LVH was detected in 5 patients with hypertension **and 1 patient without hypertension (Table 6).**

Table 6. Follow-up Blood Pressure Trends

Variable	Values
Last visit SBP (mmHg), mean±standard deviation	116.0±13.4
Last visit DBP (mmHg), mean±standard deviation	71.1±11.9
Last follow up blood pressure stage, N (%) [number of patients with antihypertensive medication]	
Normotensive	16 (51.6) [2]
Elevated blood pressure	12 (38.7) [5]
Hypertension stage 1	1 (3.2) [0]
Hypertension stage 2	2 (6.5) [2]
Last visit BMI, median (range)	21.2 (15.8–31.8)
Last visit overweight and obesity, N (%)	11 (35.5)
Last steroid dose, converted to PD (mg/kg/day), median (range)	0.1 (0.03–0.6)
LVH at any period*, N (%)	6 (42.9)
PRES, N (%)	2 (6.3)
Last visit Ped-SDI, median (range), N (%)	1.0 (0–5)

*In 14 patients, data was available.

Abbreviations: SBP, systolic blood pressure; DBP, diastolic blood pressure; BMI, body mass index; PD, prednisolone; LVH, left ventricular hypertrophy; PRES, posterior reversible encephalopathy syndrome; Ped-SDI, The Pediatric Systemic Lupus International Collaborating Clinics/American College of Rheumatology Damage Index.

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