## SAŽETAK - SUMMARY

Post infectious bronchiolitis obliterans in children: Long term follow-up Post infektivni bronhiolitis obliterans: Dugotrajno praćenje	
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Summary	<b>Objective:</b> Post infectious bronchiolitis obliterans (PIBO) is a chronic lung disease which is caused by lower respiratory tract infections (LRTI) especially in children who are under 3 years of age. <i>Adenovirus</i> is the major pathogen in the etiology. There are no clinical controlled trials for treatment. Long term follow up varies. We aimed to investigate long term follow-up results of PIBO patients. <b>Material and methods:</b> We analyzed the long term follow up results of PIBO patients in three pediatric pulmonology centers. Demographic fetaures, clinical, laboratory findings, treatments, treatment results were evaluated. <b>Results:</b> In ten-year period 70 patients were followed with diagnosis of PIBO in three pediatric pulmonology centers. Mean age of patients was 9.24 $\pm$ 5.76 years and51 (72%) of them were male. Mean age of patients at the diagnosis was 3.96 $\pm$ 3.85 years and 23 (32%) of them had family consangunity. Pathogen was detected in 19 patients and <i>adenovirus</i> was the major pathogen which was detected in 9 patients. Oxygen supplementation was present in 26 patients at the time of LTRI. Pulse steroid was given only in 5 patients, oral prednisolone in 30 patients, azithromycin in 10 patients, inhaled steroid in 36 patients and IVIG in 8 patients who had accompanying immunodeficiency. Mean FEV1 was 56.99 $\pm$ 21.73 before treatment and 69.26 $\pm$ 21.45 after treatment. Mean FVC was 61.60 $\pm$ 21.47 before treatment and 71.61 $\pm$ 20.40 was after treatment. Mean MEF25-75 was 46.39 $\pm$ 24.47 and 59.11 $\pm$ 23.92 after treatment. There were statistically significant differences in FEV1, FVC, MEF25-75 between before and after treatments (p<0.05). Mean body mass index (BMI) was 16.67 $\pm$ 3.55 before treatment and 16.87 $\pm$ 3.44 after treatment and there was no statistically significant differences (p<0.05). FEV1, FVC, MEF25-75 and BMI had statistically significant differences before and after treatments in patients who was given oral and/or inhaled steroid treatments (p<0.05). <b>Conclusion:</b> Although there

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