

PP-113

Is Cinacalcet effective and safe in treating hyperparathyroidism in children on regular hemo

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Background and Objective: In adults the clinical experiences with calcimimetic have shown significant reduction in parathyroid hormone levels in cases with secondary hyperparathyroidism (SHPT). But the clinical experience in children with chronic kidney disease (CKD) is limited. We report here the effect of short term use of Cinacalcet on SHPT.

Methods: Two children on regular hemodialysis for CKD stage 5 and failed to control high parathyroid hormone (iPTH), we started Cinacalcet therapy with 30 mg/day for both of them for 8 weeks.

Results: 1st case was an 11 years old child, his iPTH decreases 26% after 4 weeks of therapy and decreased by 39.4% after 8 weeks. The 2nd case was female 13.5 years, her iPTH decreased 25.3% after 4 weeks and 40.1% after 8 weeks of therapy. There were no recorded side effects.

Conclusion: We conclude the efficacy of Cinacalcet therapy for SHPT even for short duration as a good alternative to surgical parathyroidectomy.

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