

Short-term intravenous zoledronic acid in severe osteogenesis imperfecta : A report of three siblings of children

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Abstrak

Laporan ini memuat efek samping klinis dan biokimia pemberian zoledronic acid dosis awal pada tiga anak bersaudara dengan osteogenesis imperfecta berat. Zoledronic acid diberikan dalam 50 ml larutan garam fisiologis selama 30 menit. Semua pasien mengalami demam dalam kurun waktu 6-48 jam setelah pemberian infus pertama. Tidak ada efek samping terhadap fungsi ginjal, kecuali hipokalsemia dan hipofosfatemia, yang terjadi dalam 48 jam dan 72 jam setelah infus zoledronic acid. Efek samping minimal dapat diatasi dengan mudah.

This report documented the clinical and biochemical side effects on the first dose of intravenous zoledronic acid therapy in three siblings with severe osteogenesis imperfecta. Zoledronic acid was administered in 50 ml 0.9% saline solution over a period of 30 minutes. All patients had fever during the first 6 to 48 hours after the first infusion. There were no renal side effects, apart from asymptomatic hypocalcemia and hypophosphatemia at 48 and 72 hours after zoledronic acid infusion. The minimal clinical side effects were easily manageable.