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A Review on Limitation of Sodium and Fluid Elimination With The Use of Torsemide

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Abstract

Torsemide is a new loop diuretic belong to the pyridine-sulfonylurea class, it is highly natriuretic but their short duration of action permit post diuretic sodium retention, which limits salt loss. Torsemide ER plasma concentration lower 59% at 1 to 3 hour but 97% higher at 8 to 12 hour compared with the immediate release torsemide. According to their assumption that more prolonged duration of action enhance salt loss. Torsemide is a high ceiling loop diuretic useful in correcting extracellular fluid volume expansion in patients with chronic heart failure. The torsemide ER pellet formulation is prevented dose dumping, more gastric residence time and improve patient compliance.

Key words: diuretic, natriuretic, sodium retention, chronic heart failure, gastric residence

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