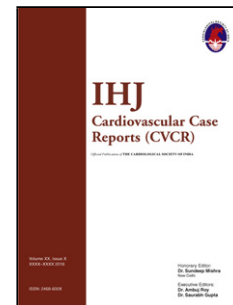


## Accepted Manuscript

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**Title:** “Chlorthalidone Induced Acute Severe Prolonged Life-Threatening Hyponatremia”

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**Abstract**

Thiazide and thiazide-like diuretics are commonly used to treat hypertension. Some of them are even shown to provide additional benefits in terms of life saving benefits. Hyponatremia is one of the side effects of these drugs which can be fatal if untreated. Here we present a chlorthalidone induced hyponatremia case and discuss remedies to handle the situation.

**Keywords:** Chlorthalidone; Hyponatremia; Thiazide-like

**Introduction**

Hypertension (HTN) is one of the most common non-communicable diseases in India which often leads to a variety of cardiovascular (CV) morbidities. It is also observed as a co-morbidity in diabetes patients and cause renal dysfunction. Thiazides and thiazide-like diuretics are one of the diverse group of drugs used to counter high blood pressure (BP). Apart from producing effective BP control, some of the thiazide like diuretics such as chlorthalidone and indapamide have been shown to reduce mortality and CV morbidities<sup>1</sup>.

Thiazide induced hyponatremia is a clinically significant side effect of thiazides and thiazide-like diuretics wherein serum sodium ion (Na<sup>+</sup>) concentrations fall below 136 mmol/l. Exact incidence of thiazide induced hyponatremia has not been yet properly determined, however, it is relatively common in elderly people;

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