Abstract

**Introduction**

- **Hyponatremia** is a known complication of CHF.
- **Conivaptan** hydrochloride (Vaptans, Astellas Tokai Co., Shizuka, Japan) is a non-specific AVP receptor antagonist that has been used in adults with euvolemic hyponatremia due to congestive heart failure (CHF). Its use in children with CHF has not been reported in the literature. We describe the use of conivaptan in a 4-month-old infant with severe hypothermic hyponatremia and CHF. A novel weight-based dose extrapolated from the adult dose was used. The patient improved from her hyponatremia without untoward effects. Angioneurotic vasopressin receptor antagonists such as conivaptan may be useful in the treatment of hyponatremia associated with CHF. Further studies are needed before routine use in children.

**Case Report**

- There was a 4-month-old (5.5 kg) African-American female with an unremarkable birth, medical and family history.
- Admitted for diaphoresis for 1 day.
- **Physical Exam:**
  - Heart rate 180/min, respiratory rate 70/ min, blood pressure 70/45 mmHg and oxygen saturation of 98% in room air.
  - Marked hepatomegaly.