

16th Annual World Congress on

PEDIATRICS

&

3rd Annual World Congress on

PEDIATRIC NUTRITION, GASTROENTEROLOGY & CHILD DEVELOPMENT

March 21-22, 2018 | New York, USA

Effective method of CVVH treated acute crisis of organic acidemias

Nam Huu Dao, Ta Anh Tuan, Tran Minh Dien, Vu Chi Dung, Pham Ngoc Toan and Nguyen Phu Dat
Vietnam National Children's Hospital, Vietnam

Background: Organic acidemia is one of two kinds of inborn errors of metabolism has often acute crisis in neonate or infection. They will die if we do not diagnose exactly and treat immediately. Continuous venovenous hemofiltration (CVVH) is a rescue therapy to remove quickly ammoniac plasma or other toxics of metabolic.

Objective: The objective of this study is about the common effective of method of CVVH treated acute crisis of organic acidemia.

Materials & Methods: Describes prospective six severe patients, deep coma, metabolic acidosis, hyperammonemia, was treated acute crisis of organic acidemias by CVVH, from 1/2014 to 3/2015.

Results: Plasma ammonia levels $822\mu\text{mol/l}$ ($151\text{-}3000\mu\text{mol/l}$) before CVVH, were significantly reduced by $171\pm 54\mu\text{mol/l}$ after 12h with CVVH, pH (7.1 ± 0.2) increased 7.32 ± 0.05 after 48h with CVVH and time medium CVVH is 4.1 ± 4.3 days, Time treatment in ICU is 6.4 ± 5.4 days. Three patients alive, clinical normal, one patient withdrawal treatment due to deep coma., two patients died due to MODS, one patient had nosocomial infection, one patient had Filter clotted.

Conclusion: CVVH effectively and quickly eliminates plasma ammonia and correct metabolic acidosis to treat acute crisis of organic acidemias.

Biography

Nam Huu Dao is graduated from Medical University in 2005 and finished resident doctor of pediatric in 2009. After that he worked in pediatric intensive care unit. He works as a Senior Consultant in PICU at the Vietnam National Children's Hospital in Hanoi, Vietnam. He has shown himself to be a very hard-working, reliable and enthusiastic member of staff. In the professional work he indicates his very good background knowledge and skill of clinical doctor in pediatric field. He has been studying the PhD course at Hanoi Medical University for 3 years. He has published more than seven papers in national journals and two international journals with Professor Noriko Nakajima, Japanese Red Cross Medical Center, and Tokyo, Japan.

namdhnt30@gmail.com

Notes: