

CONGENITAL ANOMALIES

Volume 47 • Number 1 • March 2007

CONTENTS

Editorial

- 1 **Message from the Editor-in-Chief**
Hiroki Otani

Review Article

- 2 **Abnormal giant cells in the cerebral lesions of tuberous sclerosis complex**
Masashi Mizuguchi

Original Articles

- 9 **Maternal vitamin B₁₂ deficiency affects spermatogenesis at the embryonic and immature stages in rats**
Toshiaki Watanabe, Shuhei Ebara, Sachiko Kimura, Kunihiro Maeda, Yoshitaka Watanabe, Hiroshi Watanabe, Shigenobu Kasai, and Yoshihisa Nakano
- 16 **No teratogenic effect of prenoxdiazine: A population-based case-control study**
Zoltan Bártfai, Akos Somoskövi, Erzsébet H. Puho, and Andrew E. Czeizel
- 22 **Erythropoietin contributes to implantation: Ectopic hemoglobin synthesis in decidual cells of mice**
Yoshiko Yasuda, Tohru Sasaki, Masanori Takagawa, Mitsuyo Maeda, Megumi Yasuda, Tadao Atsumi, Yoshihiko Fujita, and Hiroyoshi Fujita
- 34 **Embryonic pathogenesis of hypogonadism and renal hypoplasia in *hgn/hgn* rats characterized by male sterility, reduced female fertility and progressive renal insufficiency**
Hiroetsu Suzuki, Mio Yagi, Kenichi Saito, and Katsushi Suzuki

Case Reports

- 45 **Fronto-nasal dysplasia and atrio-ventricular canal in a fetus with trisomy 18 identified by absent nasal bones during first trimester screening scan**
Gabriele Tonni, Claudio De Felice, Silvia Asioli, and Alessandro Ventura
- 49 ***EFNB1* mutation at the ephrin ligand-receptor dimerization interface in a patient with craniofrontonasal syndrome**
Chiharu Torii, Kosuke Izumi, Hideo Nakajima, Takao Takahashi, and Kenjiro Kosaki

Society News

- J1 **Announcement**