

# CONGENITAL ANOMALIES

Volume 46 • Number 1 • March 2006

---

## CONTENTS

### Review Article

- 1 **Review of animal models for autism: implication of thyroid hormone**  
Miyuki Sadamatsu, Hirohiko Kanai, Xiaobin Xu, Ying Liu, and Nobumasa Kato

### Original Articles

- 10 **Micro-focus X-ray computed tomography, images of the 3D structure of the cranium of a fetus with asymmetric double malformation**  
Takashi Shibata, Sumiko Matsumoto, Teiko Nagano, and Hiroshi Sasaki
- 16 **Leptin deficiency causes pycnotic change in fetal cingulate cortical cells**  
Jun Udagawa, Masayuki Nimura, Yukiko Kagohashi, and Hiroki Otani
- 21 **Cleft lip and palate in mice treated with 2,3,7,8-tetrachlorodibenzo-*p*-dioxin: a morphological *in vivo* study**  
Tomohiro Yamada, Katsuaki Mishima, Kumiko Fujiwara, Hideto Imura, and Toshio Sugahara
- 26 **Susceptibility of newborn rats to 3-ethylphenol and 4-ethylphenol compared with that of young rats**  
Mika Takahashi, Mutsuko Hirata-Koizumi, Nobuo Nishimura, Yoshihiko Ito, Masao Sunaga, Sakiko Fujii, Eiichi Kamata, Ryuichi Hasegawa, and Makoto Ema
- 34 ***In vitro* embryotoxicity testing of metals for dental use by differentiation embryonic stem cell test**  
Koichi Imai and Masaaki Nakamura
- 39 **Population-based case-control study of oxoline acid use during pregnancy for birth outcomes**  
István Dudás, Erzsébet Puhó, and Andrew E. Czeizel
- 43 **Effects of maternal uninephrectomy on the development of fetal rat kidney: apoptosis and the expression of oncogenes**  
Toshiya Okada, Koji Mitsuoka, Masaki Mino, Masafumi Mukamoto, Jun Nakamura, Hiroshi Morioka, and Yoshio Morikawa

### Society News

- J1 **Activities and Announcement**