# **CONGENITAL ANOMALIES**

Volume 46 • Number 3 • September 2006

#### **CONTENTS**

### **Review Articles**

Essential roles of *Gli3* and sonic hedgehog in pattern formation and developmental anomalies caused by their dysfunction

Jun Motoyama

**Application for regenerative medicine of epithelial cell culture-vistas of cultured epithelium** Hajime Inoue, Hideo Oshima, Kyo-Ichi Matsuzaki, and Norio Kumagai

## **Original Articles**

Genome-wide screening of dioxin-responsive genes in fetal brain: bioinformatic and experimental approaches

Hideki Fujita, Hazuki Samejima, Noriyuki Kitagawa, Takayuki Mitsuhashi, Takanori Washio, Junzo Yonemoto, Masaru Tomita, Takao Takahashi, and Kenjiro Kosaki

Genetic susceptibility in the neural tube defects induced by ochratoxin A in the genetic arhinencephaly mouse, *Pdn/Pdn* 

Ken-ichi Ohta, Mizuho Maekawa, Ryu-ichi Katagiri, Etsuko Ueta, and Ichiro Naruse

- **Analysis of polyploid cells in mouse embryonic cells cultured under diabetic conditions** Reiko Tatewaki, Yukiko Kagohashi, and Hiroki Otani
- Dopamine transporter density and behavioral response to methylphenidate in a hyperlocomotor rat model

Katsumasa Muneoka, Makiko Kuwagata, Masaaki Iwata, Yukihiko Shirayama, Tetsuo Ogawa, and Morikuni Takigawa

# **Case Report**

160 Callosal agenesis followed postnatally after prenatal diagnosis

George Imataka, Eiji Nakagawa, Shigeko Kuwashima, Hiroshi Watanabe, Hideo Yamanouchi, and Osamu Arisaka

### **Society News**

J5 Activities and Announcement