

CONGENITAL ANOMALIES

Volume 50 · Number 1 · March 2010

CONTENTS

Review Articles

- 1 Birth defects caused by mutations in human *GLI3* and mouse *Gli3* genes**
Ichiro Naruse, Etsuko Ueta, Yoshiki Sumino, Masaya Ogawa, and Satoshi Ishikiriyama
- 8 Second lineage of heart forming region provides new understanding of conotruncal heart defects**
Yuji Nakajima

Original Articles

- 15 No association between severe constipation with related drug treatment in pregnant women and congenital abnormalities in their offspring: A population-based case-control study**
Nándor Ács, Ferenc Báñhidy, Erzsébet H. Puhó, and Andrew E. Czeizel
- 21 Biochemical alterations in the palatal processes in fetuses of biotin-deficient mice**
Toshiaki Watanabe, Ai Suzuki, Shuhei Ebara, Munetaka Negoro, and Toru Fukui
- 29 Gender-dependent differences in the incidence of ochratoxin A-induced neural tube defects in the *Pdn/Pdn* mouse**
Etsuko Ueta, Mami Kodama, Yoshiki Sumino, Maho Kurome, Ken-ichi Ohta, Ryu-ichi Katagiri, and Ichiro Naruse
- 40 Global gene profiling and comprehensive bioinformatics analysis of a 46,XY female with pericentric inversion of the Y chromosome**
Tomoko Mitsuhashi, Katsuhiko Warita, Yoshiaki Tabuchi, Ichiro Takasaki, Takashi Kondo, Teruo Sugawara, Fumio Hayashi, Zhi-Yu Wang, Yoshiki Matsumoto, Takanori Miki, Yoshiki Takeuchi, Yasuhiko Ebina, Hideto Yamada, Noriaki Sakuragi, Toshifumi Yokoyama, Takashi Nanmori, Hiroshi Kitagawa, Jeffrey A. Kant, and Nobuhiko Hoshi
- 52 New method for detecting antiandrogenic effects through the measurement of external genitalia in rabbits**
Kunifumi Inawaka, Noriyuki Kishimoto, Hashihiro Higuchi, Takayuki Okamoto, and Satoshi Kawamura
- 58 Improved learning in microencephalic rats**
Shuichi Ueda, Kanji Yoshimoto, Taro Kadowaki, Koichi Hirata, and Shin-ichi Sakakibara

Short Communication

- 64 Congenital polymicrogyria including the perisylvian region in early childhood**
Tomoyuki Takano, Kumiko Matsuwake, Seiichiro Yoshioka, and Yoshihiro Takeuchi

Case Reports

- 68 Longstanding malformation of right sided pinna in an elderly man**
Deeke Yolmo, J. Madana, Sunil K. Saxena, and S. Gopalakrishnan
- 71 Bilateral absence of patella**
Serkan Bilgic, Volkan Kilincoglu, Koray Unay, Yuksel Yurttas, and Serdar Toker

Letter to the Editor

- 75 Fetal Eagle-Barrett syndrome and pulmonary atresia with intact ventricular septum**
Sebastiano Bianca, Giovanni Bartoloni, Gustavo Boemi, Barbara Barrano, Antonella Cataliotti, Chiara Barone, Lara Indaco, Claudio Campione, and Giuseppe Ettore

Society News

- J1 Announcement**