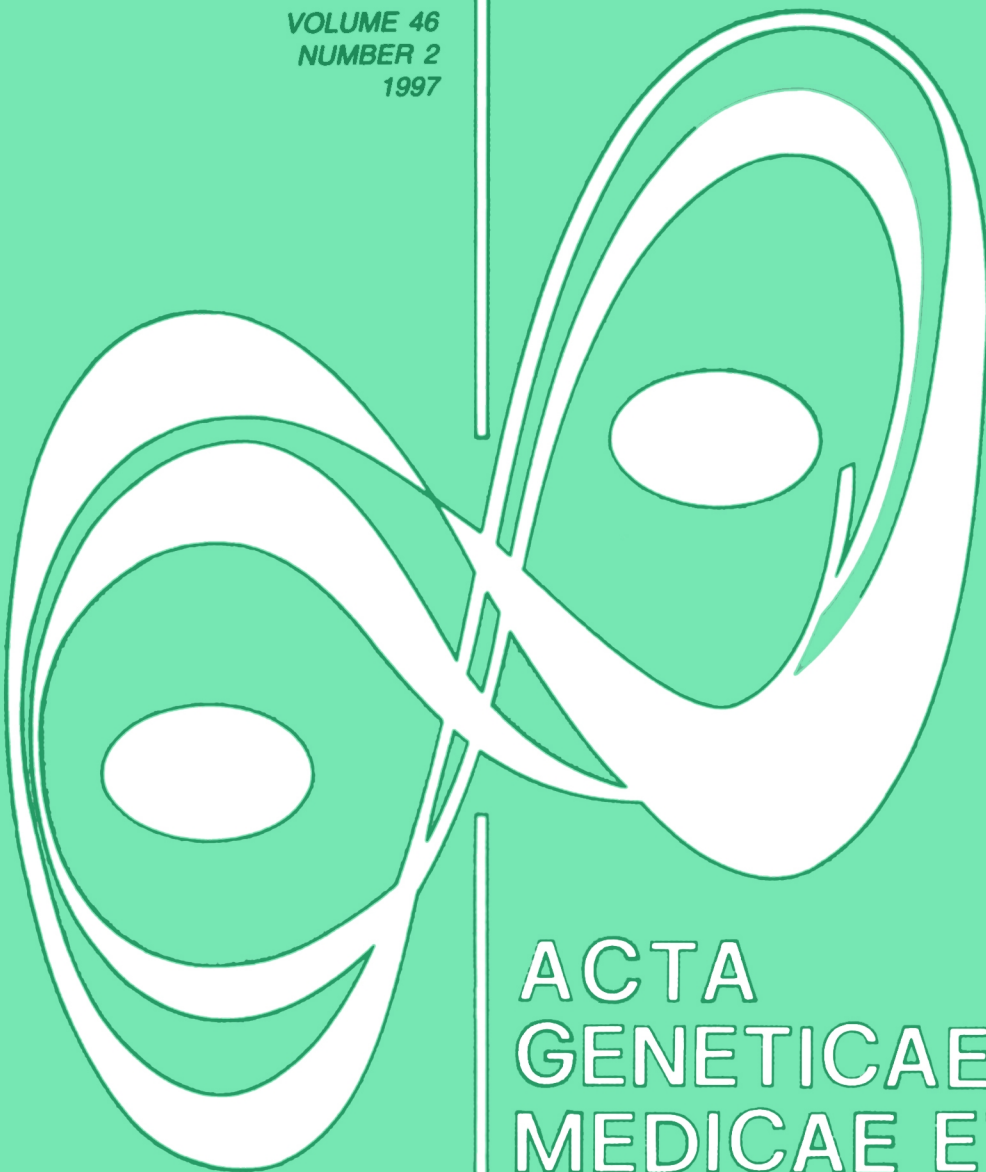


VOLUME 46
NUMBER 2
1997



ACTA
GENETICAE
MEDICAE ET
GEMELLOLOGIAE
TWIN RESEARCH

CODEN AGMGAK 46: 81-128 (1997)

ISSN: 0001-5660

<https://doi.org/10.1017/S00015660000060X> Published online by Cambridge University Press

Official Journal of the International Society for Twin Studies
Published by THE MENDEL INSTITUTE, Rome

EDITOR-IN-CHIEF

Luigi Gedda
The Mendel Institute, Rome

ASSOCIATE EDITORS

Bruno Dallapiccola
*Chair of Medical Genetics
University of Tor Vergata, Rome;
CSS - IRCCS S. Giovanni Rotondo, Foggia, Italy*

Marco Milani Comparetti
*Director of the Institute of Biology and Genetics
University of Ancona, Italy*

EDITORIAL BOARD

Gregory R. Alexander
*Department of Maternal and Child Health
University of Alabama at Birmingham, Birmingham*

Gordon Allen
Bethesda, Maryland

Frank Barron
*Laboratory for the Psychological Study of Lives
University of California, Santa Cruz*

Kurt Benirschke
Zoological Society of San Diego, California

Kare Berg
Institute of Medical Genetics, University of Oslo

Isaac Blickstein
*Department of Obstetrics and Gynecology
Kaplan Hospital, Israel*

Joe C. Christian
*Department of Medical Genetics
Indiana University, Indianapolis*

E. Defrise-Gussenhoven
*Laboratory of Human Genetics
Free University of Brussels*

Lindon J. Eaves
*Department of Human Genetics
Medical College of Virginia, Richmond*

Aldur W. Eriksson
*Anthropogenetic Institute
Free University of Amsterdam*

Manning Feinleib
*National Center for Health Statistics
Hyattsville, Maryland*

David W. Fulker
*Institute for Behavioral Genetics
University of Colorado, Boulder*

Irving I. Gottesman
*Washington University Medical Center
St. Louis, Missouri*

Isaac Halbrecht
*B. Gattegno Research Institute of Human
Reproduction and Fetal Development
Hasharon Hospital, Petah Tiqva, Israel*

Mogens Hauge

*Institute of Clinical Genetics
University of Odense, Denmark*

Joseph M. Horn
*Department of Psychology
University of Texas, Austin*

Zdenek Hrubec
*National Cancer Institute
Bethesda, Maryland*

Yoko Imaizumi
*Institute of Population Problems
Ministry of Health and Welfare, Japan*

Eijii Inouye
*Institute of Brain Research,
University of Tokyo*

Lyssy F. Jarvik
*Department of Psychiatry
University of California, Los Angeles*

Louis Keith
*Department of Obstetrics and Gynecology
Northwestern University, Chicago*

R.D.G. Leslie
St. Bartholomew's Hospital, London

Gerhard Koch
*Institute of Human Genetics
University of Erlangen-Nürnberg, FRG*

Einar Kringlen
*Institute of Behavioral Sciences in Medicine
University of Oslo*

F. Leroy
*Department of Obstetrics and Gynecology
Free University of Brussels*

Barbara Luke
*Department of Obstetrics and Gynecology
University of Michigan Health System,
Ann Arbor, Michigan*

Ashley Montagu
Princeton, New Jersey

Walter E. Nance
*Department of Human Genetics
Medical College of Virginia, Richmond*

Koichi Nonaka
*Department of Hygiene
University School of Medicine, Japan*

Jean-Claude Pons
*Service de Gynécologie-Obstétrique I
Groupe Hospitalier Cochin, Paris*

John D. Rainer
*Department of Psychiatry
Columbia University, New York*

Francisco M. Salzano
*Institute of Biosciences, UF RGS
Porto Alegre, RS, Brasil*

Krishan Sharma
*Department of Anthropology
Panjab University, India*

Acta Geneticae Medicae et Gemellologiae is published quarterly by The Mendel Institute, Piazza Galeno 5, 00162 Rome, Italy.

Subscription price: Volume 46 (1997), 4 issues of approx. 100 pages each: US \$ 300.00. Airmail supplement: US \$ 30.00 (Oceania US \$ 40.00).

Indexed by: Current Contents/Life Sciences - Social Sciences index • Psychological Abstracts • Biological Abstracts • Excerpta Medica • Institute of Scientific Information USSR.

Printed in Italy

Autorizzazione del Tribunale di Roma - Registro Stampa N. 345/83 del 7.12.1983

Direttore responsabile: Luigi Gedda

© 1997 by Associazione Istituto di Genetica Medica e Gemellologia Gregorio Mendel

CONTENTS

Volume 46 • Number 1 • 1997

- 1 Correlation of Antepartum Uterine Activity and Cervical Change in Twin Gestation**
by R.B. Newman, J.M. Ellings, M.M. O'Really, B.C. Brost, M.C. Miller III, D. Gates Jr

- 9 The Twinning Rates by Zigosity in Japan, 1975-1994**
by Y. Imaizumi, K. Nonaka

- 23 Are Differences between Twins a Result of Mutual Rivalry?**
by J.G. Borg

- 37 High Rate of Twins among Offspring of Mothers with the Järvi-Hakola-Nasu disease and with Comments on Disorders Associated with Twinning**
by H.P.A. Hakola, A.W. Eriksson

- 47 The Twinning Rates and Epidemiological Characteristics of Births in Southeast Uttar Pradesh, India**
by K. Sharma

- 57 Abstraction Skilfulness in Monozygotic and Dizygotic Twin Pairs**
by S. Nicole, C. Del Miglio

- 69 Factors Associated with Neonatal Hypoglycemia in Premature Twins and Singletons**
by V. Zanardo, S. Cadgas, F. Marzari

Volume 46 • Number 2 • 1997

- 81 The Challenges of Expecting, Delivering and Rearing Triplets**
by B. Alin Åkerman, M. Hovmöller, P. A. Thomassen
- 87 Rising Trizygotic Triplet Rates In Japan, 1975-1994**
by Y. Imaizumi, K. Nonaka
- 99 Case of Gastroschisis of the Surviving Fetus in Monochorionic Twin Pregnancy**
by W. Malinowski, I. Biskup
- 101 The Sonographic Prenatal Diagnosis of Congenital Defects of the Anterior Abdominal Wall Based on our Study of Twin Pregnancies – Gastroschis**
by W. Malinowski, I. Biskup
- 105 Prevalence and Correlates of Susceptibility to Motion Sickness**
by Sharma and Aparna
- 123 Effects of Inbreeding on Reproductive Losses in Kota Tribe**
by T. A. Sivakumaran, S. Karthikeyan

Volume 46 • Number 3 • 1997

- 129 Come Nacque l'Istituto Mendel**
by L. Gedda
- 135 Bioethical Considerations on Cloning and Twinning**
by M. Milani Comparetti
- 139 From Genetic Research into Clinical Practice**
by B. Dallapiccola, I. Torrente, R. Mingarelli, F. Novelli

- 147 Twin Zygosity Diagnosis by Mailed Questionnaire Below Age Twelve Months**
by C. Charlemaine, M. Duyme, J-T. Aubin, F. Guis, N. Marquiset, I.de Pirieux, N. Strub, Y. Brossard, G. Jarry, Le Groupe Romolus, R. Frydman, J.C. Pons
- 157 Maternal Nutrition in Twin Gestations: Weight Gain, Cravings and Aversions, and Sources of Nutrition Advice**
by B. Luke, L. Keith, D. Keith
- 167 Very Early and Simple Determination of Chorionic and Amniotic Type in Twin Gestations by High-Frequency Transvaginal Ultrasonography**
by W. Malinowski
- 175 Perinatal Outcome after Leave of Absence from Work for Twin-Pregnant Women**
by H. Rydhstroem, L. Bakketeig, P. Magnus, L. B. Knudsen, H. Wedel

Volume 46 • Number 4 • 1997

- 185 Perinatal Morbidity and Mortality Rates in Twin Pregnancies – A 15-Year Review Study from Athens**
by A.E. Liapis, D.K. Hassiakos, P.P. Panagopoulos
- 193 Absence of Pericentromeric Heterochromatin (9qh-) in a Patient with Bilateral Retinoblastoma**
by T.A. Sivakumaran, S. Ghose, H. Kumar, U. Singha, K. Kucheria
- 199 Ultrasound Examination in Twin Pregnancy and Late Fetal Death**
by H. Rydhstroem, B. Walles
- 209 Trends of Twinning Rates in Ten Countries, 1972-1996**
by Y. Imaizumi
- 219 “Mother’s Child” and “Father’s Child” Among Twins - A longitudinal twin study from pregnancy to 21 years age, with special reference to development and psychiatric disorders**
by I. Moilanen, P. Pennanen

258 Contents

231 Breve Storia del Metodo Gemellare

by F. Lorenzi

241 Balanced X; 22 Translocation in a Patient with Premature Ovarian Failure

by N. Banerjee, A. Kriplani, D. Takkar, K. Kucheria

247 Author Index to Volume 46

249 Subject Index to Volume 46