



Gynecology and Obstetrics

Editors:

Shoichi Sakamoto

Shinpei Tojo

Tetsuya Nakayama

Gynecology and Obstetrics

Proceedings of the IX World Congress
of Gynecology and Obstetrics,
Tokyo, October 25-31, 1979

Editors:

Shoichi Sakamoto

Shimpei Tojo

Tetsuya Nakayama



1980

Excerpta Medica, Amsterdam – Oxford – Princeton

© Excerpta Medica 1980

All rights reserved. No part of this publication may be reproduced, stored in a retrieval system or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording or otherwise, without permission in writing from the publisher.

International Congress Series No. 512

ISBN Excerpta Medica 90 219 0440 3

ISBN Elsevier North-Holland 0 444 90139 6

Library of Congress Cataloging in Publication Data

World Congress of Gynecology and Obstetrics, 9th,
Tokyo, 1979.

Gynecology and obstetrics.

(International congress series ; no. 512)

Bibliography: p.

Includes index.

1. Gynecology – Congresses. 2. Obstetrics – Congresses.

I. Sakamoto, Shoichi, 1924 –

II. Tojo, Shimpei. III. Nakayama, Tetsuya, 1923 –

IV. Title. V. Series.

RG31.W6 1979 618 80-17932

ISBN 90-219-0440-3

ISBN 0-444-90139-6 (Elsevier North-Holland)

Publisher:

Excerpta Medica

305 Keizersgracht

1000 BC Amsterdam

P.O. Box 1126

Sole Distributors for the USA and Canada:

Elsevier North-Holland Inc.

52 Vanderbilt Avenue

New York, N.Y. 10017

Printed in The Netherlands by Casparie Amsterdam

INTERNATIONAL FEDERATION OF GYNECOLOGY AND OBSTETRICS (FIGO)

Officers

President:	Roberto Caldeyro-Barcia (<i>Uruguay</i>)
Vice President:	Lance Townsend (<i>Australia</i>)
President-Elect:	Keith P. Russel (<i>U.S.A.</i>)
Treasurer:	Otto Käser (<i>Switzerland</i>)
Secretary General:	John S. Tomkinson (<i>United Kingdom</i>)
Deputy Secretaries General:	Claude G. Sureau (<i>France</i>) C. MacGregor (<i>Mexico</i>) Tatyana V. Chervakova (<i>U.S.S.R.</i>)
Editor, FIGO Journal:	Harold A. Kaminetzky (<i>U.S.A.</i>)

Scientific Program Committee of the IXth Congress

Chairman:	Axel Ingelman-Sundberg (<i>Sweden</i>)
Members:	Roberto Caldeyro-Barcia (<i>Uruguay</i>) L. Castelazo-Ayala (<i>Mexico</i>) Shoichi Sakamoto (<i>Japan</i>) Otto Käser (<i>Switzerland</i>) John S. Tomkinson (<i>United Kingdom</i>) D. Dargent (<i>France</i>) Ho-Kei Ma (<i>Hong Kong</i>) Izina A. Manuilova (<i>U.S.S.R.</i>) Michael Newton (<i>U.S.A.</i>)

ORGANIZING COMMITTEE

Honorary Members:

Toshio Hasegawa
Hayami Fujimori
Yutaka Moriyama
Takashi Kobayashi
Yukio Notake

President:

Shoichi Sakamoto

Secretary General:

Shimpei Tojo

Committees

Program:

Keiichi Kurachi (*Chairman*)
Tetsuya Nakayama
Masakuni Suzuki
Tadashi Sugawa

Administration:

Shoshichi Takeuchi (*Chairman*)
Masahiko Suzuki
Minoru Fukushima
Soju Kurihara
Masao Arai
Akinori Hashiguchi
Masahiko Hiroi

Registration & Communication:

Shigeo Takagi (*Chairman*)
Masao Igarashi
Motoi Saito
Kiyoshi Arai
Takashi Wagatsuma

Exhibition:

Tsutomu Hosokawa (*Chairman*)
Tadashi Sugawa
Hajime Murooka
Hirokazu Iwasaki

Hosting:	Rihachi Iizuka (<i>Chairman</i>) Tasuku Kinoshita Takeshi Tamura Hiroyoshi Takamizawa Akikazu Fujii Hiroshi Hamada Hiroko Ouchi Takeshi Mori
Finance:	Hiroshi Furuya (<i>Chairman</i>) Tokuzo Kitai (<i>Vice Chairman</i>) Yasunori Fukui Shoichi Hachiya
Fund-raising:	Chiaki Sawasaki (<i>Chairman</i>) Osamu Usui
Deputy Secretaries General:	Masahiko Mizuno Tsuyoshi Morohashi Matsuto Mochizuki Kazuō Satoh Toshifumi Kobayashi Yoshihiko Ashitaka Takumi Yanaihara Katsuyuki Kinoshita Yoshinori Kuwabara

*May our international festival of academia
be a forum and an opportunity
to turn human dreams to hopes,
and hopes to reality,
thus bringing to all humanity
true peace and happiness.*

A handwritten signature in cursive script, reading "S. Sukamoto". The signature is fluid and elegant, with a long horizontal stroke at the end.

*Shoichi Sukamoto, M. D.
President*

Preface

Some 6,000 gynecologists and obstetricians took part in the 9th FIGO World Congress of October 1979. The largest academic gathering ever to be held in Tokyo, it achieved unprecedented results in academic and personal exchange.

A quarter of a century has passed since the founding of the International Federation of Gynecology and Obstetrics (FIGO) in Geneva: its first world congress was held in the same city in 1954, under the presidency of Dr. H. de Watteville. The International Gynecological Society was formed at the beginning of this century, but its activities had to be suspended twice, during World Wars I and II. After the end of hostilities, however, in 1950, gynecologists and obstetricians met in New York to propose the establishment of an International Federation. Owing in great part to the efforts of Drs. Adair, Garin Lajoie, Taylor, Van Tongeren, and H. de Watteville, the first world congress was held in Geneva and attended by representatives from 42 countries. No one could have imagined at the time that FIGO would grow to assume the importance it has today.

As the organizers of the Tokyo congress, we take great pleasure in presenting the publication of these Proceedings which contain the results of the reports and personal contacts made by leading scholars of some eighty member countries (more than 100 countries when observers are included).

The Tokyo congress was the first FIGO congress to be held in Asia. With the active participation of the WHO, discussions were held on how to transfer medical technology to developing countries. In keeping with the founding aims of FIGO, efforts must be redoubled in this direction.

Our discipline has now reached a stage where major breakthroughs are expected in the near future, thanks to progress made in research methods. Since it concerns itself with the science of reproduction, it begins where all studies on man begin. In view of the nature of the problems we encounter clinically, the advances made in our science give ground for concern whether we are not already trespassing on divine territory.

We are thankful for having been given this opportunity to provide a venue for scientists from all over the world to exchange views at a time when the ethics of science and scientists in the biological field have to be carefully re-examined.

Science is universal: times are past when scientists spoke of national boundaries. We must overcome all barriers, and, basing our way of thinking on the principles of biology, we must ask ourselves what true humanism is. Humility is the gate to knowledge.

It is hoped that, as clinicians, we will adhere to philosophy of involved humanism, even in the conduct of our basic research. We will be highly gratified if these Proceedings evoke in the minds of our readers the ideals and aspirations inspired by the congress during its planning and by the accomplishments at its successful conclusion.

Shoichi Sakamoto
Shimpei Tojo
Tetsuya Nakayama

March, 1980

Contents

SPECIAL LECTURES

K.J. Ryan	Human ovarian function	3
A. Jost	Comparative aspects of sexual differentiation	10
P. Kolstad	Recent progress in gynecologic oncology	20

PLENARY SESSIONS

1. Social problems in obstetrics and family planning

S. Alexaniants and G. Sterky	The obstetrician: social responsibility in a global context	35
P.M. Dunn	Low birthweight: influence of social factors on premature delivery and retarded growth	45
A. Lechtig and R.E. Klein	Nutritional requirements during pregnancy and lactation	50
J.A. Fortney, B.S. Janowitz and A. Goldsmith	Adolescent mothers and birth weight in Latin America	54
M. Potts and J. Henderson Lewis	Social factors in abortion	63
A. Rosenfield	Implementation of family planning services as part of primary health care	68
S. Surjaningrat	Strategies for implementation of obstetric care and family planning	73
T. Wagatsuma	Maternal mortality and primary health care	79
A. Mangay Maglacas	The problem of health manpower and the role of the traditional birth attendant (TBA)	84
R. Rodriguez Castro	Primary obstetric care and family planning in Cuba: development and experience	87
H. Rushwan	Implementation of maternal and child care at the primary health level in Sudan	91

2. The climacteric and postmenopause including hormone therapy

Ch. Lauritzen	The climacteric — general and basic facts	94
T. Abe, N. Furuhashi, Y. Wada, M. Suzuki, Y. Miura, K. Sakuma, M. Adachi and T. Moritsuka	Endocrine aspects of the climacteric syndrome	104
S. Soihet	Long-term estrogen therapy in post-menopausal women with evaluation of the risks of breast and endometrial cancer	108
L. Rauramo	Choice of estrogen and mode of administration in menopausal therapy	116
M. Furuhielm	The effect of oestrogen therapy on bone mineral and mental wellbeing	121

Contents

M. Notelovitz	Evaluation of the cardiovascular risks of hormone replacement in the menopause	125
M.I. Whitehead, R.J.B. King and S. Campbell	Progestin-induced changes in intranuclear oestrogen concentrations. Nuclear oestrogen receptor binding capacity and cytoplasmic oestradiol 17 β -dehydrogenase activity in the endometrium of oestrogen-treated postmenopausal women	129

3. Endocrinology of the menstrual cycle

J. Kato, T. Onouchi, K. Ochiai, M. Aihara, K. Oshima and M. Hayashi	Basis of regulation of the menstrual cycle – hormone-receptor interactions in the target organs	134
E.S.E. Hafez	Ovulation and anovulation: physiological mechanisms ...	140
J. Schoemaker	The endocrinology of the seemingly normal menstrual cycle in hyperprolactinemic women	145
T. Aono, A. Miyake and K. Kurachi	Positive feedback effects of estrogen on LH release in normal menstrual cycle and anovulatory conditions .	149
J. Cortés-Prieto, J. Arencibia, A. Oriol-Bosch, M.-D. Garcia, C. Avila, A. Aranda, M. Guzman, B. Pesenti, A.-M. Comaru-Schally, D.H. Coy and A.V. Schally	Action of synthetic LH-RH and D-Ala-6-LH-RH propylamide in patients with ovulatory failure	153
G. Bettendorf, W. Braendle and R. Zimmermann	An evaluation of ovarian dysfunction and therapy in 567 sterile patients over a period of year	156

4. Physiopathology of intrauterine fetal growth

L.G. Lampé and M. Asztalos	Fetal growth and retardation in diabetic pregnancy	160
H. Kyank	Critical survey of the diagnostic methods for detecting poor intrauterine fetal growth	162
A. Kloppper	Hormone assays in the diagnosis of intrauterine growth retardation	166
B. Salvadori	Fetal growing	171
W. Künzel	Uterine blood flow and fetal growth retardation	178
H.C.S. Wallenburg, N. Rotmans and P.H. van Kessel	Platelet function and dynamics in pregnancies with insufficient fetal growth	184
K. Suzuki	Fetal growth retardation and intrauterine environment, seen through the effect of nicotine	188
K.S. Moghissi	Amino acids, proteins and fetal development	192
M. Mochizuki	Maternal metabolic adaption to fetal growth	198

5. Reproductive immunology

L. Mettler	Infertility immunology	202
W.R. Jones	Immunological approach to contraception	217

S. Takeuchi	Immunology of spontaneous abortion and hydatidiform mole	221
J.S. Scott	Immunological diseases occurring in pregnancy	225
D.M. Jenkins, J.S. Scott and J.A. Need	Immunology of pre-eclampsia	232
C.N. Hudson	Immunology of gynaecological tumours	234

6. The role of obstetric management in reducing fetal mortality and morbidity

R.D. Pandit	Antenatal and intranatal management and fetal mortality and morbidity in developing countries	241
J. Studd and M. Thom	Partographic control of labour in different racial groups	251
B. Neme, M. Zugaib and L. Mathias	Therapeutics of hypertensive toxemia	256
V. Sadauskas and S. Puodžius	Fetal monitoring and tactics of delivery in risk pregnancies	261
J. de Haan	The role of obstetric management in reducing fetal mortality and morbidity: the intrapartum management	265
R. Rodríguez Castro	Methodology for prenatal care in normal and at risk pregnancies	270

7. Premalignant lesions of the female genital tract

R.E. Scully	Premalignant lesions of the female genital tract	274
C. Alberto Salvatore	Premalignant lesions of the endometrium. Some epidemiologic and histogenic aspects	277
I.A. Manuilova	Pathogenesis and treatment of a precancerous state in hormone-dependent organs	283
Ph. Krupp, R. Llanos and M. Cortez	The management of premalignant vulvar lesions	286
J.G. Stolk, J.P.A. Baak, P.H.J. Kurver and H.W. van der Putten	Premalignancy of the ovary	291
K. Noda	Dysplasia of the cervix	296
E. Burghardt	Morphogenesis of cervical cancer	300
M. Coppleson	The natural history of premalignant lesions of the genital tract. A colposcopist's view	304

CORRELATED SEMINARS

1. Clinical aspects of uterine contractility

Physiology of uterine contractility

M. van Leeuwen	Uterine contractility	311
H. Kuriyama, S. Kanda, T. Kishikawa and T. Kawarabayashi	Fundamental properties of myometrial activity	323

Contents

Effect of uterine contraction

M. van Leeuwen, G.M.J.A. Wolfs and J. van der Does	Interval-strength relationship of the human uterus, in vivo, during labor	327
S. Kikuchi	Uterine contraction in relation to cervical dilatation	333
M.O. Pulkkinen	Control of labor by local placental progesterone	336

Fetus and inhibition of uterine contraction

M. Kolenc	Significance of parameters of uterine activity and fetal acid-base status	339
M. Steyer and J.J. Heidenreich	Combined use of β -mimetic and β -lytic drugs during labor	342
S. Kikuchi	Clinical results with a uterine relaxant to treat premature labor	345
M.O. Pulkkinen	Uterine activity and prostaglandin synthetase inhibitors	346

2. Hemorrhage in obstetrics including shock

Basic study of DIC

H. Graeff and R. Hafter	Molecular aspects of disseminated intravascular coagulation	349
H. Ludwig	Morphologic and ultramorphological aspects of intravascular clotting (IVC) in cases of obstetrical hemorrhages	352
S. Suzuki	Basic and clinical studies of the intravascular coagulation syndrome (DIC)	364

Hemorrhage and hemostasis in obstetrics

J. Bonnar	Hemorrhage and coagulopathy in the obstetric patient	366
G. Sher	Management of uterine inertia associated with abruptio placentae and consumption coagulopathy	372
T. Terao, J. Oike and T. Kobayashi	Clinical and experimental studies on the hemostatic mechanisms in obstetric hemorrhage	379

Shock and others

S. Cavanagh, R.A. Knuppel, W.J. Copeland and P.S. Rao	Hemorrhagic shock in the obstetric patient	383
L. Svanberg	Abruptio placentae and pathological proteolysis	388

3. Management of perinatal distress

Fetal distress in late pregnancy

W.M. Fischer	Routine methods for supervising the high-risk fetus	391
W. Künzel	Which are useful methods for the treatment of chronic placental insufficiency and fetal growth?	401
C. Wood	Indications for termination of pregnancy	406

Fetal distress during labor

A. Hidaka	Management of perinatal distress. Conservative methods of intrauterine resuscitation of the fetus during labor	408
J. de Haan	Iatrogenic causes of fetal distress	415

Intensive care of high-risk newborn immediately after delivery

G. Rooth, O. Fall, H. Schachinger, A. Huch and R. Huch	Continuous transcutaneous Po ₂ measurement in the newborn immediately after delivery	419
T.V. Chervakova and A.S. Khachatryan	Effects of abnormal labor on the state of protective and adaptation reactions in premature and post-mature fetuses and newborns	423

4. Management of medical complications of pregnancy*Management of diabetes in pregnancy*

J.B. Josimovich	Screening for diabetes mellitus in pregnancy	425
Y. Ashitaka	Management of blood glucose levels in diabetic pregnant women	428
P. Pedowitz	Management of pregnancy in the diabetic with vascular complications	432

Management of chronic cardiorespiratory diseases in pregnancy

S.P. Michalas	Antenatal management of the patient with chronic cardiac disease	438
W. Kuhn	Management of cardiac failure in pregnancy	442
S. Matsuura	Takayasu's disease in pregnancy	444
A. Kuroshima	Pregnancy complicated by postoperative cardiac diseases	448

Management of vascular diseases in pregnancy

T. Terry Hayashi	Principles of drug therapy in chronic hypertension ...	451
M.L. Stone	Diuretics and antihypertensive therapy for pre-eclampsia ..	454
D. Cavanagh and J.H. Shepherd	The management of vascular thrombosis	460
H. Kyank, U. Retzke, W. Finck, R. Reincke and R. During	Effects of hypotensive drugs on the maternal circulation and the uteroplacental blood flow	465

5. Assessment of fetal condition*Fetal condition during pregnancy*

T. Yoshida	Estriol and estetrol as indices of fetal health	468
E. Sadovsky	Assessment of fetal movements	470
F. Kubli	Fetal heart rate during pregnancy	473

Contents

Hormonal and metabolic assessment

M.G.R. Hull	Maternal steroid levels during labour and individual uterine contractions	476
A. Huch and R. Huch	Fetal PO ₂	480
S. Uzan, G. Sturbois, G. Breart, J. Salat-Baroux and C. Sureau	Fetal tissue pH monitoring during labor	485

Fetal assessment and neonatal condition

G.M. Saveliëva	Metabolic and hemodynamic indicators of fetal hypoxia	495
C. Wood and J. Lumley	Intrapartum fetal heart rate monitoring	497
C. Amiel-Tison, G. Barrier and S.M. Shnider	A new neurological scoring system	502

6. Diagnosis and management of ovarian cancer

Evaluation of diagnostic examinations for ovarian cancer

Y. Yoshida	Marker substances for ovarian tumors (AFP and CEA)	504
S. Fotiou and D. Kaskarelis	Diagnostic methods and pretherapy evaluation of ovarian cancer	508
O. Kjellgren and T. Ångström	Preoperative diagnosis and classification of ovarian cancer by means of fine needle aspiration biopsy and cytology	513
H.G. Limburg	Chemotherapy of ovarian cancer	516

Treatment and follow-up of ovarian cancer

T. Kato	Management of ovarian malignancies	520
H.J. Solomon	The management of Stage III–IV ovarian carcinoma	522
R. Poljanšek	Laparoscopy in gynecological oncology	527

Pretherapeutic testing of chemotherapy for ovarian cancer

R. Izumi	Chemotherapy for ovarian cancer	531
A. Pflëiderer, G. Teufel, W. Kleine, H.A. Ladner and W. Wrzodek	Technique and clinical relevance of pretherapeutic testing for ovarian cancer	535
B. Åstedt	Immunological detection of tumor plasminogen activator in vitro and in vivo	541

7. Trophoblastic diseases

Natural history and pathogenesis

T. Hando, T. Hirogami, S. Arai, M. Kato, K.-I. Tanaka, K. Kanazawa and S. Takeuchi	Nature of trophoblastic disease	548
H. Ito	The pathogenesis of gestational choriocarcinoma	555
P.C. Ho, L.W. Mak, J.W.M. Lawton and H.K. Ma	Immunological functions in gestational trophoblastic neoplasia	559
S.D. Lawler	Histocompatibility and trophoblastic tumors	563

Biochemical investigations and prognosis

S. Kaseki	Prognosis and treatment of trophoblastic diseases	566
F.H.M. Tsakok	Changes in blood coagulation and fibrinolysis in trophoblastic disease	571

Management

K.D. Bagshawe	Management of trophoblastic tumours	576
T. Katoh and H. Takamizawa	Treatment of high-risk patients with trophoblastic disease	579

8. Early detection and management of malignant diseases of the female breast*Early detection and program organization*

R. Almalric, Y. Ayme and J.M. Spitalier	Infrared thermography in early detection of breast carcinomas	584
T. Kobayashi	Echography as a detection method	586
L.B. Tyrer and R.A. Wilson	Instructing patients in self-examination of the breast	591
J. Tricoire	The early diagnosis of breast carcinoma by the plate thermography procedure	598
D.J. Marchant	Screening programs in the United States	602

Diagnosis and its difficulties

E.T.L. Bernardello	Mammary dysplasia and breast cancer	607
G. Kindermann	Diagnostic procedure in cases of microcalcification and in cases of pathological discharge of the nipple	610
J. de Brux	Histological and cytological difficulties of diagnosis in the initial phases of breast cancer	613
A.M. Stark	The results of screening for the early detection of breast cancer	617

Treatment particularly of early cases

R.M.G. Brun del Re, D. Stucki, A. Almendral and J. Torhorst	A new device for isometric localization of nonpalpable breast lesions detected by mammography. Experience in over 100 cases	624
L. Carenza and C. Villani	Follow-up and treatment of contralateral breast	628

9. The urinary tract in gynecology and obstetrics*Pathophysiology of functional urinary incontinence*

U. Ulmsten	Aspects on techniques for pressure recording in the female lower urinary tract	633
------------	--	-----

Contents

T. Rud, U. Ulmsten and M. Westby	Urethrocystometry and X-ray studies during initiation of micturition	635
D.R. Ostergard	Neurology of the human female bladder and urethra ...	637
K.-E. Andersson and U. Ulmsten	Effects of drugs on the lower urinary tract	641

Stress/urge incontinence

A. Öbrink and G. Bunne	Stress incontinence — etiology and treatment	645
S.L. Stanton	Medical treatment of stress incontinence	649
B. Kralj	Neurogenic urge incontinence	652
H.A. Hirsch	Urge incontinence of infectious origin	655
U. Bologna, M. Bologna and N. Dino	The use of two vaginal flaps in abdomino-vaginal surgery for the correction of urinary stress incontinence	659

Urinary infections, fistulae

W. Fischer	Urinary tract infections in a temperate climate	662
D. Miličić	Urinary infection before and after surgery for stress incontinence	667
A.H. Abbo	The use of pedicle flaps in the operative management of difficult obstetric fistulae	673

10. Recent progress in the treatment of infertility

Progress in diagnosis and treatment of functional infertility

H.P.G. Schneider	The endocrine events of ovulation and corpus luteum formation. Pathophysiological aspects with special reference to diagnostic progress	675
T. Kobayashi	Induction of ovulation using human gonadotropins and clomiphene	680
S.J. Nillius	Bromocriptine treatment of female infertility	684
S. Robertson, W. Birrell and A. Grant	Induction of ovulation and the subsequent reproductive performance of women	688

Progress in diagnosis and treatment of organic infertility

J.M. Phillips	Diagnoses of organic infertility in the female	692
E.V. van Hall and T.C.M. Trimbo-Kemper	The surgical management of tubal infertility	696

Progress in diagnosis and treatment of disturbed mucus-sperm interaction

E.S.E. Hafez	Functional anatomy of the uterine cervix	699
K. Koyama, K. Ikuma, K. Kubota and S. Isojima	Effect of antisperm antibodies on sperm migration through cervical mucus	705
V. Insler, M. Glezerman, D. Berenstein and N. Misgav	Diagnosis and treatment of the cervical factor of infertility	709

11. Recent advances of ultrasonics in obstetrics and gynecology*New techniques and gynecologic developments*

M. Ide	New technical developments – Real-time B-mode scanner and tissue characterization including grey-scale B-mode scan	714
A. Kratochwil	Gynecologic tumor differentiation	717
B.-J. Hackelöer	Treatment planning of ovarian cycles and hormonal stimulation provided by the visualization of the follicles and corpus luteum	722
O. Piironen	The use of ultrasound in IUD localization and in the diagnosis of ectopic pregnancy	726

Morphological studies of the fetus and placenta

F. Bonilla-Musoles	Placental morphology – placental localization. In relation to placental migration and structural change in the aging placenta	730
A. Kurjak and V. Latin	Diagnosis and exclusion of malformed fetuses by ultrasound	736

Dynamic studies of pregnancy and labor

J.W. Wladimiroff	Fetal breathing movements	740
R.W. Gill, W.J. Garrett, P.S. Warren, B.J. Trudinger and G. Kossoff	Doppler measurement of placental perfusion by the UI Octoson	744
J.W. Wladimiroff, R.P.L. Vosters, J.H.M. Wondergem and L. Vrij	Fetal and neonatal echocardiography	748
Y. Chiba and K. Miyake	Measurements of fetal blood flow, using a pulse Doppler flowmeter, by guidance of a real-time B-scan	752

12. Function-retaining surgery in gynecology*Function-retaining or restoring surgery in diseases of the uterus*

K.J. Lohe	Function-retaining surgery (uterus) in preinvasive and early invasive cancer of the cervix	756
M. Ozawa	Function-retaining surgery in early invasive and frankly invasive cancer of the uterine cervix	760
C. Mac Gregor	Function-retaining surgery in fibromyomas of the uterus	764
D.B. Kaskarelis	Restoring surgery in uterine malformations	766
A. Rodríguez-Velasco	Function restoring surgery in cases of severe intrauterine adhesions	769

Function-retaining or restoring surgery in pelvic endometriosis, diseases of the ovary and the tube

I.A. Brosens, W. Boeckx and S. Gordts	Function-restoring surgery in pelvic endometriosis	772
P. Kolstad	Function-retaining surgery in ovarian diseases, degenerative and neoplastic	775