

THE 10TH FETAL NEUROSONOGRAPHY MASTERCLASS

UNDER THE AUSPICES OF:

ISRAELI SOCIETY OF ULTRASOUND IN OBSTETRICS & GYNECOLOGY

INTERNATIONAL FOUNDATION OF MATERNO-FETAL MEDICINE

MAY 7-9, 2023

KFAR HAMACCABIAH HOTEL

RAMAT GAN, ISRAEL

Course Directors

Prof. Gustavo Malinger
Prof. Mauricio Herrera

Welcome letter

Dear Friends:

I am looking forward to see you in Israel and to have the opportunity to pass on the knowledge we had accumulated in the field of Fetal Neurosonography during the last 30 years. This year Masterclass will be very special for us for three different reasons:

1. We are celebrating its 10th Edition, not interrupted even during the difficult times of the COVID pandemic.
2. I am about to culminate 40 years of work in the most beautiful and rewarding specialty in Medicine and about to start a new pathway dedicated to research and teaching (without boring administrative tasks) knowing that the team I help to form will continue and improve what we did until now.
3. In collaboration with my dear friends, Ana, Ilan, Gianluigi and Dario we have recently published the 4th Edition of our book, Neurosonography of the Fetal Brain; with chapters by many of my colleagues and friends from LIS Maternity Hospital.

For the Masterclass we limited the number of participants to have the opportunity to really interact and create a different educational and human experience.

For more than two decades I worked at the Edith Wolfson Medical Center, where an exceptionally talented group of people had the opportunity to meet and work together to create in 1994 what was probably the first multidisciplinary group in the field of Fetal Neurology.

The initial group was composed of Prof. Tally Lerman-Sagie (Pediatric Neurology), Dr. Dorit Lev (Genetics) and myself. Dr. Liat Ben Sira (Pediatric Radiology-MRI) joined from Tel Aviv Medical Center and Dr. Deborah Kidron (Pathology) from Sapir Medical Center. Following the success

of this initiative, we add to the team two of the most renowned Israeli OB-GYN ultrasound specialists Dr. Mordechai Tamarkin and Dr. Itai Bar Hava.

During the years the Fetal Neurology Clinic at Wolfson became the leader in the field of fetal CNS care and research in Israel with more than 500 referrals/year and more than 50 publications and a book.

Ten years ago, I moved from Wolfson to Tel-Aviv Sourasky Medical Center; the hospital has over 12000 deliveries per year and with the OB-GYN US Unit team, we have an increasingly number of suspected CNS pathologies for evaluation and have diagnosed, in this relatively short period, more than 1750 CNS pathological cases. Currently, the Unit staff includes 18 physicians, 8 sonologists, a PhD engineer, a nurse and a quite large administrative team.

During the Masterclass, you will have the opportunity to meet the team that will lead the Unit for the next 20 years, Dr. Karina Krajden Haratz, Dr. Michael Brusilov and Dr. Roee Birnbaum; I am certain that you will understand the bright future that we opened in the field of prenatal diagnosis and neurosonography. Dr. Adi Reches will present on the Genetics of malformations of cortical development including recent developments from our Center in the field of exomic diagnosis.

We will also be honored by the participation in the FNM of Dr. Mauricio Herrera from Bogotá that will present us with his experience with Congenital Zika Virus Syndrome, the diagnosis of selected cases using 3D Neurosonography and the OPUS Simulation System that enables hands-on practice of all the participants.

As in Wolfson, the multidisciplinary clinic staff includes participants from the fields of Pediatric Radiology, Neurology, Neurosurgery and Genetics.

I hope you will have the opportunity not only to learn but to appreciate the way a team, by joining efforts, can reach better results in order to benefit our patients.

Finally, I want to thank you for the confidence and the support of this program. I hope this will be a fruitful experience for all of you and in the future, you will be able to transmit the knowledge acquired during the Masterclass.

Thank you,

Gustavo

ORGANIZING COMMITTEE - FACULTY

Prof. Gustavo Malinger – OB-GYN - Tel Aviv Sourasky Medical Center

Dr. Karina Krajden Haratz – OB-GYN- Tel Aviv Sourasky Medical Center

Dr. Michael Brusilov - OB-GYN- Tel Aviv Sourasky Medical Center

Dr. Roee Birnbaum - OB-GYN- Tel Aviv Sourasky Medical Center

Dr. Adi Reches – Genetics- Tel Aviv Sourasky Medical Center

INTERNATIONAL FACULTY – COURSE CO-DIRECTOR

Dr. Mauricio Herrera – OB-GYN- Clínica Colsanitas, Colombia

OBJECTIVES

The Fetal Neurosonography Masterclass is intended for Obstetricians and Radiologists specializing in Prenatal Diagnosis who want to acquire or expand their expertise in fetal brain diagnosis.

During the Masterclass the participants will learn the theoretical and practical aspects of the performance of neurosonographic examinations with particular emphasis in the diagnosis and management of brain anomalies.

Back home the Masterclass will help the participants in the formation of multidisciplinary Fetal Neurology Clinics similar to Wolfson and Sourasky FNC's.

PRELIMINARY TENTATIVE PROGRAM

DAY 1 – Sunday, May 7, 2023

08.00 – 08.30 The Fetal Neurology Clinic	Prof. Malinge
08.30 – 09.00 US equipment & setup for the examination of the fetal brain	Dr. Brusilov
09.00 – 09.30 Video session. How I perform a neurosonographic exam	Dr. Brusilov
09.30 – 10.15 Which brain structures are present at 11-13 weeks.	Dr. Birnbaum
10.15 - 10.45 CNS malformations diagnosed before 20 weeks	Dr. Krajden-Haratz
10.45 – 11.15 Coffee break	
11.15 – 11.45 CNS malformations diagnosed before 20 weeks	Dr. Krajden-Haratz
11.45 – 12.30 The transforming brain, changes in brain structure between 20-40 weeks. Anatomy and neurosonographic technique	Prof. Malinge
12.30 – 13.00 Spinal dysraphism. Not only open defects	Prof. Malinge
13.00 – 14.00 Lunch	
14.00 – 15.00 Holoprosencephaly and related disorders	Prof. Malinge
15.00 – 15.45 Ventriculomegaly	Prof. Malinge
15.45 - 17.00 Disorders of proliferation. Microcephaly	Prof. Malinge
17.00 Be ready to go...	
21.00 - 22.30 Welcome dinner	

DAY 2 – Monday, May 8, 2023

08-00 – 09.00 Disorders of proliferation. Macrocephaly & Brain Overgrowth	Prof. Malinge
09.00 – 10.30 Disorders of migration & organization	Prof. Malinge
10.30 – 11.00 Coffee Break	
11.00 – 12.00 The genetics of malformations of cortical development	Dr. Reches
12.00 – 13.00 The corpus callosum	Prof. Malinge
13.00 – 14.00 Lunch	
14.00 – 15.00 Infective fetopathy	Prof. Malinge
15.00 – 15.30 Congenital Zika Virus Syndrome	Dr. Herrera
15.30 – 16.30 Focus on the cerebellum. Introduction	Prof. Malinge
16.30 – 17.00 Coffee Break	
17.00 – 18.00 Stroke and hemorrhage	Prof. Malinge
21.30 – 23.00 Dinner	

DAY 3 Tuesday, May 9, 2023

08.00 – 09.00 Cysts and tumors	Prof. Malinge
09.00 – 11.00 Midbrain-Hindbrain anomalies. The last frontier.	Dr. Krajden-Haratz
11.00 – 12.30 Participants + Staff cases	Dr. Herrera
12.30 - 13.30 Lunch	
13.30 -15.30	

REGISTRATION

Demonstrations of interest to participate at the 10th Fetal Neurosonography Masterclass 2023: gmalinger@gmail.com.

Registration fee is 3300 Euro. Registration includes all the benefits of education and simulation work, educational materials, breakfasts, lunches, dinners, coffee breaks and 3 nights of hotel between May, 6-9. Extra hotel nights are available upon request and need to be paid directly to the hotel.

Usually, it is possible to accommodate in the hotel an accompanying person (not participating in the FNM) at no extra charge.

Registration does not include transportation from and to the airport, medical and travel insurance, hotel extras and tours.

10TH FETAL NEUROSONOGRAPHY MASTERCLASS

May 7-9, 2023

Registration Form to be send to: gmalinger@gmail.com

Surname:

Name:

Place of work:

Address:

Zip Code:

City:

Country:

Phone:

Fax:

Cell phone:

E-mail:

Please fill carefully your name and e-mail address, they will allow to be known from the course managers and to assure the follow-up of your registration .

Please answer the following:

Number of Obstetric US performed / month :

Number of neurosonographic examinations performed/ month:

Did you have diagnosed complicated CNS anomalies?

Experience in TVS Obstetrical examinations:

Experience in 3D/4D of the brain:

Registration will be strictly based on first registered first served rule. If there will be no available places for this course, application will receive priority for the next one .

The registration will be definitive only after confirmation by our office and payment of registration fees.

Following the receipt of this registration form you will receive by e-mail instructions for payment.