THE 5TH FETAL NEUROSONOGRAPHY

MASTERCLASS

**UNDER THE AUSPICES OF:**

**INTERNATIONAL SOCIETY OF ULTRASOUND IN OBSTETRICS & GYNECOLOGY**

**ISRAELI SOCIETY OF ULTRASOUND IN OBSTETRICS & GYNECOLOGY**

## June 17-19, 2018

## Kfar Maccabiah Hotel, Ramat Gan, Israel

**Course Directors**

Prof. Gustavo Malinger

Prof. Mauricio Herrera

For demonstrations of interest and enquires contact:

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Welcome letter

Dear Friends:

I have been 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 29 years.

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.

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 40 publications and a book.

Five 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 900 CNS pathological cases.

Dr. Zvi Leibovitz (OG-GYN), with the help of Dr. Karina Krajden (OG-GYN), took my place at Wolfson, bringing fresh ideas and their extensive knowledge to the Wolfson FNC.

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 and the diagnosis of selected cases using 3D Neurosonography and a new Simulation System that enables hands-on practice of all the participants at the same time.

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.

For the Masterclass we limited the number of participants to have the opportunity to really interact and create a different educational and human experience. Please, feel free to participate in the discussions and add from your own knowledge to the lectures.

On Tuesday morning we will join Dr. Deborah Kidron at Sapir Medical Center for a session on Fetal Neuropathology. The Course will finalize with a Hands-On demonstration of the neurosonographic examination at my private practice in Tel Aviv.

Finally, I want to thank you for coming from so far away in support of this program. I hope this will be a fruitful experience for all of you.

Thank you,

Gustavo

**ORGANIZING COMMITTEE - FACULTY**

Prof. Gustavo Malinger – Tel Aviv Sourasky Medical Center

Prof. Tally Sagie - Wolfson Medical Center

Dr. Liat Ben Sira - Tel-Aviv Sourasky Medical Center

Dr. Karina Krajden-Haratz – Wolfson Medical Center

Dr. Zvi Leibovitz – Bnei Tzion Medical Center

Dr. Deborah Kidron - Sapir Medical Center

**INTERNATIONAL FACULTY – COURSE CO-DIRECTOR**

Dr. Mauricio Herrera – 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.

The training will be supported a special session on Fetal Neuropathology, and by Hands-on and Simulation demonstrations of the Neurosonographic TVS technique.

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

**PRELIMINARY PROGRAM**

**DAY 1 – Sunday, June 17, 2018**

08.00 – 08.30 The Fetal Neurology Clinic Prof. Malinger

08-30 – 09.00 US equipment setup for the examination of the fetal brain Dr. Leibovitz

09.00 – 09.30 Which brain structures are present at 11-13 weeks? Dr. Leibovitz

09.30 – 10.15 CNS anatomy before 20 weeks. Prof. Malinger

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 – 13.00 Clinical demonstration – Cases Whole Staff

13.00 – 14.00 Lunch

14.00 – 15.00 The transforming brain, changes in brain structure between

20-40 weeks. Anatomy and neurosonographic technique Prof. Malinger

15.00 – 15.45 Ventriculomegaly Prof. Malinger

15.45 - 16.45 Disorders of proliferation. Microcephaly Dr. Leibovitz

17.00 Be ready to go…

21.00 - 22.30 Welcome dinner

**DAY 2 – Monday, June 18, 2018**

08-00 – 08.30 Disorders of proliferation. Macrocephaly & Brain Overgrowth Prof. Sagie/Prof. Malinger

08.30 – 09.30 Disorders of migration & organization Prof. Sagie/Prof. Malinger

09.30 – 10.30 The corpus callosum Prof. Malinger

10.30 – 11.00 Coffee Break

11.00 – 12.00 Atypical forms of holoprosencephaly. US & MRI Dr. Ben-Sira/Prof. Malinger

12.00 – 13.00 Stroke, hemorrhage, cysts and tumors Prof. Malinger

13.00 – 14.00 Lunch

14.00 – 15.00 Infective fetopathy Prof. Malinger

15.00 – 16.30 Focus on the cerebellum. Prof. Malinger

16.30 – 17.00 Coffee Break

17.00 – 18.00 Congenital Zika Virus Syndrome Dr. Herrera

18.00 – 19-00 Participant + Staff cases Dr. Herrera

21.30 – 23.00 Dinner

**DAY 3 Tuesday, June 19, 2018**

08.00 – 11.30 Fetal Neuropathology Meeting

12.30- 13.30 Lunch

13.30-18.30 Hands-On & 3D demonstration/quiz

The program is subject to changes

**Please inform us if you need to depart before the end of the Masterclass**

**REGISTRATION**

Demonstrations of interest to participate at the 5th Fetal Neurosonography Masterclass 2018: [nicolemalinger@gmail.com](mailto:nicolemalinger@gmail.com).

Registration fee is 3000 Euro. Registration includes all the benefits of education and simulation work, educational materials, breakfasts, lunches, dinners, coffee breaks and 3 nights of hotel between June, 16-19. Extra hotel nights are available upon request.

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

FNM site: [www.fetalneurology.com](http://www.fetalneurology.com)