



1st MEETING

Parma, Italy

January 18th 2019

Founders:

Antonino Barbera, MD

Torbjørn Eggebo, MD

Tullio Ghi, MD

Wailam Lau, MD

Christoph Lees, MD

Patrick Rozenberg, MD

Boris Tutschek, MD

Coordinator: Tullio Ghi, MD, PhD

9:00 **Welcoming**
Tullio Ghi, MD, PhD and Antonino Barbera, MD

Session 1: **Chaired by Boris Tutschek, MD and Christoph Lees, MD**

09:00-09:05 Uptake of optional intrapartum ultrasound before instrumental delivery - a single centre experience
V. Chan Ying Tze (Hong Kong, China)

09:05-09:10 Sonographic prediction of outcome of instrumental vaginal delivery using dynamic 2D transperineal ultrasound: a prospective cohort study
F. Bellussi (Bologna-Italy)

09:10-09:15 Ultrasonographic prediction of vacuum failure
G. Rizzo (Rome-Italy)

09:15-09:30 Open Discussion

09:30-09:35 Quality control and teaching of rotational forceps delivery: a novel use of intrapartum ultrasound
L. Hinkson (Berlin-Germany)

09:35-09:40 Predictive value of angle of progression measurement for a successful vaginal delivery during a prolonged second stage of labor
T. Quibel (Paris-France)

09:40-09:45 Is angle of progression useful to predict intraoperative surgical complications in second-stage cesarean delivery?
T. Quibel (Paris-France)

9:45-9.50	A Case of preterm birth using transperineal ultrasonography in deciding method of delivery R.Sakurai; K Kido (Tokyo, Japan)
09:50-10.05	Open Discussion
10:05-10.10	Management of fetal malpositions in the 1st stage of labour with ultrasound guided change of maternal position P. Antsaklis (Athens, Greece)
10:10-10.15	Molding in OA and OP positions T.Eggebo (Trondheim, Norway)
10:15-10.20	The Chin-Chest distance: a new objective method to assess the degree of fetal head deflexion in OP fetuses L. Angeli (Parma, Italy)
10:20-10.35	Open Discussion
10:35-11.00	<i>Coffee Break</i>

Session 2: Chaired by Patrick Rozenberg, MD and Torbjørn Eggebo, MD

11:00-11.05	Fetal head movement during contractions B. Kahrs (Trondheim, Norway)
11:05-11.10	Can ultrasound analysis of the pressure forces generated by maternal musculoskeletal elements predict 2nd stage outcomes? G. Esebona (London, UK)
11:10-11.15	Levator ani contraction during valsalva maneuver (co-activation) at term and labor outcome in nulliparous women A.Youssef (Bologna, Italy)
11:15-11.30	Open discussion
11:30-11.35	To push or not to push - can ultrasound better predict the best timing? R. Levy (Rehovot, Israel)
11:35-11.40	Intrapartum ultrasound for the non-invasive assessment of labor progression parameters during contractions: rationale and preliminary clinical results. F. Conversano (Lecce, Italy)
11:40-11.45	Ultrasound guidance of the 2nd stage of labour: both for passive 2nd stage and active pushing - ultrasound guided pushing P. Antsaklis (Athens, Greece)

11:45-11.50	Visual biofeedback intervention during the second stage of labor to prevent post-traumatic stress following childbirth Y. Gilboa (Tel Aviv, Israel)
11:50-12.05	Open discussion
12:05-12.10	Differences in progression of labor among women undergoing TOLAC; a sonographic study G. Rizzo (Rome, Italy)
12:10-12.15	A non-invasive and automatic ultrasound technique for head-perineum distance measurements during childbirth labor F. Conversano (Lecce, Italy)
12:15-12.25	Open discussion
12:25-12.30	Fetal station assessed with transabdominal ultrasound J.K. Iversen (Oslo, Norway)
12:30-12.35	Transperineal ultrasound characterization of station 0 D.Iliescu (Craiova, Romania)
12:35-12.40	Relationship between fetal head and maternal ischial spines: what happens in the plane of the pelvic brim? E Simon and C Arthuis (France)
12:40-12.45	Evaluation of head progression through intrapartum transperineal ultrasound (angle of progression and head perineum distance): two methods compared I Giardina (Perugia, Italy)
12:40-12.45	Anatomical evaluation of the symphysis pubis: its possible role in the determination of the occiput position in the birth canal A.Barbera (USA)
12:45-13.00	Open discussion
13:00-14.00	<i>Lunch</i>

Session 3: Chaired by Wailam Lau, MD and Antonino Barbera, MD

14:00-14.05	Cervical dilatation by ultrasound W. Hassan (Colchester, UK)
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14:05-14.10	The relationship between sonographic and MRI angle-of-progression and bischiatric-to-head station assessment: a case of perceptive blindness E Ferrazzi (Milan, Italy)
14:10-14.15	Caput succedaneum by ultrasound W. Hassan (Colchester, UK)
14:15-14.30	Open Discussion
14:30-14.35	Correlation between clinical examinations and ultrasound when performed by experts J.K. Iversen (Trondheim, Norway)
14:35-14.40	US vs clinical training in detecting fetal head position in labor: proposal for a RCT E. Di Pasquo (Parma, Italy)
14:40-14.45	A new Artificial Intelligence US system for the automatic identification of the fetal occiput position in labor F. Conversano (Lecce, Italy)
14:45-15.00	Open Discussion
15:00-15.05	From the first image of translabial ultrasound to the current use at the Charité W. Henrich (Berlin, Germany)
15:05-15.10	Physiology of normal delivery as seen on translabial ultrasound B. Tutschek (Zurich, Switzerland)
15:10-15.15	Intrapartum Ultrasound, from admission to delivery MJ Cuerva (Madrid, Spain)
15:15-15.30	Open Discussion
15:30-15.35	Intrapartum prediction for mode of delivery: comparison of models C. Lees (London, UK)
15:35-15.40	Redesigning the partogram for nulliparous women based on repeat ultrasound measurements C. Lees (London, UK)
15:40-15.45	Future as an objective past. Correlations of the sonopartogram with classic clinical partogram D.Iliescu (Craiova, Romania)
15:45-16.00	Open Discussion

16:00-16.30

Coffee Break

Session 4: **Chaired by Karim Kalache, MD and Tullio Ghi, MD**

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| 16:30-16.35 | New ultrasound data for induction of labour - could we modify the Bishop score with ultrasound parameters
P. Antsaklis (Athens, Greece) |
| 16:35-16.40 | The value of two new transperineal ultrasound indices in the prediction of the outcome of induction of labor
R. Kamel (Cairo, Egypt) |
| 16:40-16.45 | Ultrasonographic changes of the uterine cervix after cervical ripening balloon insertion
G. Rizzo (Rome, Italy) |
| 16:45-17.00 | Open discussion |
| 17:00-17.05 | Personalised Obstetrics: Maternal-pelvic-fetal sonographic model for the prediction of an uneventful vaginal birth
R. Achiron (Tel Aviv, Israel) |
| 17:05-17.10 | Prediction of delivery outcome and external validation
S.Usman (London, UK) |
| 17:10-17.15 | Prediction of the mode of delivery before labor onset in women at term without prior vaginal deliveries
E. Vaisbuch (Rehovot, Israel) |
| 17:15-17.30 | Open discussion |
| 17:30-17.35 | The predictive value of fetal head position determined by transabdominal ultrasound, cervical length measured by transvaginal ultrasound, and angle of progression (AoP) measured by transperineal ultrasound for the risk of CD
T. Quibel (Paris, France) |
| 17:35-17.40 | The occiput spine angle to predict the mode of delivery in nulliparous with prolonged first stage of labor: preliminary data and proposal for a prospective multicentric study
A.Dall'Asta (Parma, Italy) |
| 17:40-17.45 | Can the use of ultrasound to asses labor progress in primiparous women reduce maternal and neonatal peripartum infectious morbidity"?
R. Levy (Rehovot, Israel) |
| 17:45-18.00 | Open discussion |

18:00-18.05	Sonographic assessment of shoulder engagement and early recognition of shoulder dystocia W. Lau (Hong Kong, China)
18:05-18.10	Intrapartum ultrasound of fetal shoulder after head delivery in women at risk of shoulder dystocia: proposal for a prospective multicentric study N. Volpe (Parma, Italy)
18:10-18.15	The use of a “hybrid” mannequin in the hi-fi simulation of clinical and ultrasound assessment in labor: practical demonstration and potential applications T. Ghi (Parma, Italy)
18:15-18.30	Open discussion

18.30 **Adjourn and summary of future collaborative studies**
Tullio Ghi, MD and Antonino Barbera, MD
Information

Venue: Aula dei Filosofi. Università di Parma

Date: 18th January 2019, Friday