ISMRM Italian Chapter

Risonanza Magnetica in Medicina 2018:
dalla ricerca tecnologica avanzata alla pratica clinica
Padova, 10-11 Maggio 2018

Chair
Valeria Panebianco (Roma)

Chair Program Committee
Alessandra Bertoldo (Padova)
Marco Castellaro (Padova)

Organizing Commettee
Camillo Aliberti
Franco Bui
Francesco Causin
Diego Cecchin
Maurizio Corbetta
Diego Miotto

Scientific Commettee
Marcello Alecci, L'Aquila
Alberto Bizzi, Milano
Arturo Brunetti, Napoli
Rossella Canese, Roma
Antonella Castellano, Milano
Carlo Catalano, Roma
Andrea Falini, Milano
Gianni Gobbi, Perugia
Alessandro Gozzi, Trento
Raffaele Lodi, Bologna
Pasquina Marzola, Verona
Gianni Morana, Treviso
Giuseppe Petralia, Milano
Giuseppe Kenneth Ricciardi, Verona
Francesco Sardanelli, Milano
Armando Tartaro, Chieti
Caterina Tonon, Bologna
Michela Tosetti, Pisa

DAY 1 – THURSDAY, 10 May 2018

8.00 Registration

8.15 Welcome from Chairs & Welcome from University of Padova

DTI-Updates on methods and applications
Moderators: Alberto Bizzi (Milano) e Giuseppe Kenneth Ricciardi (Verona)

8.30	**Computing brain connection with diffusion MRI** *Alexander Leemans (Utrecht, Netherlands)*
8.50	**Micro and macro cerebellar structure with diffusion MRI** *Fulvia Palesi (Pavia)*
9.10	**Diffusion in brain tumors: troftography and microstructures** *Antonella Castellano (Milano)*
9.30	**Discussion**
9.40	**Oral communications** (6 min presentation + 2 min discussion)
10.15	Break

MRI Pediatrics / Fetal
Moderators: Francesco Causin (Padova) e Lucia Manganaro (Roma)

10.45	**Placenta and fetal brain investigations** *Silvia Capuani (Roma)*
11.05	**Diffusion Imaging in pediatric cerebral malformations** *Filippo Arrigoni (Bosisio Parini)*
11.25	**Advanced MRI in preterm babies** *Domenico Tortora (Genova)*
11.45	**Discussion**
11.55	**Oral communications** (6 min presentation + 2 min discussion)
12.35	**Symposium I**: **Siemens *(SESSIONE NON ACCREDITATO ECM)***
13.15	**Lunch & Poster Tour**

DAY 1 – THURSDAY, 10 May 2018

QIBA – Quantitative Biomarkers Initiative Associations
Moderators: Camillo Aliberti (Padova) e Michela Tosetti (Pisa)

14.00	**Imaging biomarkers and biobanks** *Emanuele Neri (Pisa)*
14.20	**Scanner influence on quantitative data reproducibility** *Angela Coniglio (Roma)*
14.40	**Numbers in the picture: can we make quantitative MRI clinically viable?** *Guido Buonincontri (Pisa)*
15.00	**Discussion**
15.10	**Oral communications** (6 min presentation + 2 min discussion)
15.40	**Break**

Pearls on MRI
Moderators: Gianni Morana (Treviso) e Marco Castellaro (Padova)

15:50	**Machine learning methods for MRI** *Denis Peruzzo (Bosisio Parini)*
16:10	**MRI and artificial intelligence**
16:40	**Break**

Preclinical Imaging (draft del 6 febbraio 2018):

Moderators: Egidio Iorio (Roma) e Pasquina Marzola (Verona)

16.45	**MR metabolomics in cancer – why, how, what?** *Tone Bathen (Trondheim, Norway)*
17:05	**MRI-CEST contrast agents: from preclinical to clinical applications** *Dario Longo (Torino)*
17:25	**Fluorine-MRI a multicolor approach to track immune cells: preclinical demonstration and future perspectives** *Linda Chaabane (Milano)*
17:45	**Discussion**
17:55	**Oral communications** (6 min presentation + 2 min discussion)
18:30	**Business meeting**
19:30	**Happy hour: Symposium**

DAY 2 – FRIDAY 11 MAY 2018

PET MRI

Moderators: Marco Aiello (Napoli) e Alessandra Bertoldo (Padova)

8.30	**PET/MRI: why use it simultaneously?** *Diego Cecchin (Padova)*
8:45	**PET/MRI in disorders of consciousness** *Carlo Cavaliere (Napoli)*
9.00	**PET/MRI in movement disorders** *Giuseppe Lucio Cascini (Catanzaro)*
9.15	**PET/MRI and oncological applications** *Maria Picchio (Milano)*
9.30	**Discussion**
9.40	**Oral communications** (6 min presentation + 2 min discussion)
10.15	**Break**

"RADS": is it a trend or something useful?

Moderators: Valeria Panebianco (Roma) e Arturo Brunetti (Napoli)

10.35	**Liver Imaging RADS** Rita Golfieri (Bologna)
10.55	**Breast Imaging RADS** Federica Pediconi (Roma)
11.15	**Metastasis RADS** Giuseppe Petralia (Milano)
11.35	**Discussion**
11.45	**Oral communications** (6 min presentation + 2 min discussion)
12.25	**Symposium II** **Technical Innovations - GE Healthcare *(SESSIONE NON ACCREDITATA ECM)***
12.55	**Pre-clinical PET-MRI - Bruker *(SESSIONE NON ACCREDITATA ECM)***
13.05	**Pre-clinical MRI - MR Solutions *(SESSIONE NON ACCREDITATA ECM)***
13.15	**Lunch**

DAY 2 – FRIDAY 11 MAY 2018

Functional connectivity and connectomics: methods and applications

Moderators: Raffaele Lodi (Bologna) e Alessandro Gozzi (Rovereto)

14.00 **Functional brain networks**
Maurizio Corbetta (Padova)

14.20 **Quality assurance and denoising of resting-state fMRI**
Jorge Jovicich (Rovereto)

14.40 **Directional dynamical connectivity in fMRI: promises, caveats, and pitfalls**
Daniele Marinazzo (Gent, Belgium)

15.00 **Discussion**

15.10 **Oral communications**
(6 min presentation + 2 min discussion)

15:45 **Break**

Round Table: Fast MRI Pros and Contras

Moderators: Andrea Falini (Milano) e Rossella Canese (Roma)

16.45 **Brain**
Caterina Tonon (Bologna)

17.00 **Prosate**
Gianpiero Cardone (Milano)

17.15 **Pancreas & beyond**
Silvia Venturini (Treviso)

17.30 **Discussion**

17.40 **Break**

18.00 **Assemblea Soci**
Spoglio elezioni e insediamento del nuovo CD