



MESENCHYMAL STEM CELLS IN SOLID ORGAN TRANSPLANTATION 5TH EXPERT MEETING

Clinical Research Center for Rare Diseases "VILLA CAMOZZI"
BERGAMO, ITALY

MARCH 20 – 21, 2014

Scientific program

Thursday March 20th, 2014

12.00-13.00 **Registration and lunch**

13.00-13.05 **MISOT Welcome**

Marc Dahlke, Regensburg, Germany
Giuseppe Remuzzi, Bergamo, Italy

Session 1. PRE-CLINICAL EXPERIENCE

*Chairs: **Norberto Perico and Karen English***

13.05-13.35 *Comparison of MSC from different tissues
(Bone marrow, Adipose tissue, Wharton jelly)*
Mauro Krampera, Verona, Italy

13.35-14.05 *Kidney derived MSC*
Ton Rabelink, Leiden, The Netherlands

14.05-14.35 *MSC in renal ischemic conditioning: concept, limitation and challenges*
François Jouret Liege, Belgium

Session 2. NEW PLAYERS IN THE MSC ARENA

*Chairs: **Guido Moll and Matthew Griffin***

14.35-15.05 *Innovative mechanisms of action*
Karen English, Kildare, Ireland

15.05-15.35 *MSC Treg/Th17*
Natasa Obermajer, Pittsburgh, PA, US

15.35-16.05 *Coffee Break*

Session 3. SAFETY OF MSC IN TRANSPLANT SETTING

Chairs: Alessandro Rambaldi and Mauro Krampera

16.05-16.35 *Academic MSC preparation*
Martino Introna, Bergamo Italy

16.35-17.05 *Autologous vs allogeneic MSC*
Matthew D Griffin, Galway, Ireland

17.05-17.35 *MSC and complement activation*
Guido Moll, Stockholm, Sweden

17.35-17.55 CEO apceth GmbH & Co.KG presentation
Implementation of cell- and gene therapy for clinical application: impact of clinical requirements on the development
Christine Günther, Munich, Germany

SELECTED ABSTRACT PRESENTATION

Chairs: Oliver Detry

17.55-18.10 *Quest for circulating Mesenchymal Stem Cells in man*
Martin J Hoogduijn, Rotterdam, The Netherlands

18.10-18.25 *Mesenchymal Stem Cells – Therapeutic option in pediatric liver transplantation?*
Steffen Hartleif, Tuebingen, Germany

20.00 *Social dinner*

Friday, March 21st, 2014

Session 4a. MSC IN CLINICS: UPDATE OF MSC IN TISSUE AND ORGAN TRANSPLANTATION

Chairs: Ton Rabelink and Joseph M Grinyo

i. Kidney transplantation:

9.00-9.30 **Giuseppe Remuzzi**, Bergamo, Italy

9.30-10.00 **Marlies Reinders**, Leiden, The Netherlands

ii. Liver transplantation

10.00-10.30 **Olivier Detry**, Liege, Belgium

10.30-11.00 **Marc Dahlke**, Regensburg, Germany

11.00-11.20 Coffee Break

iii. GVHD

11.20-11.50 **Alessandro Rambaldi**, Bergamo, Italy

Session 4b. MSC IN CLINICS: UPDATE OF MSC IN NON-TRANSPLANT SETTING

Chairs: Marc Dahlke and Martin Hoogduijn

iv. Liver diseases

11.50-12.20 **Phil Newsome**, Birmingham, UK

ii. Multiple sclerosis

12.20-12.50 **Antonio Uccelli**, Genova, Italy

12.50-14.00 Lunch

14.00-15.00 ROUND TABLE

In-vitro, animal models and future clinical studies for translating the science of MSC into transplant medicine

Moderator: Giuseppe Remuzzi

Participants:

Federica Casiraghi, Bergamo, Italy:

Localization of Mesenchymal Stromal Cells Dictates Their Immune or Proinflammatory Effects in Kidney Transplantation

Aruna Rakha, Chandigarh, India:

Effect of mesenchymal stem cells on immune cell function in kidney transplant patients

Marieke Roemeling-van Rhijn, Groningen, the Netherlands:

Bone marrow and adipose tissue derived mesenchymal stromal cells have similar immunosuppressive capacities in vitro and in a humanized allograft rejection model

James Reading, London, UK:

Targeting homeostatic proliferation with MSC/MAPC therapy

SELECTED ABSTRACT PRESENTATION

Chairs: Marlies Reinders

15.00-15.15 Immunomodulation by dead and living Mesenchymal Stem cells *in vitro* and *in vivo*
Franka Luk, Rotterdam, The Netherlands

15.15-15.30 Development of *in vitro* models which mimic acute and chronic allogeneic rejection for efficacy testing of different MSCs products
Isabel Portero, Madrid, Spain

15.30-15.45 Augmentation of Mesenchymal Stem Cells with Tacrolimus Therapy on Rat Models of Liver Regeneration
Junshi Doi, Kyoto Japan

15.45-16.00 Farewell

POSTER PRESENTATION

Different effects of MSC – using at modeling of non-specific factors of kidney rejection
Murat Shagidulin, Moscow, Russia

Mesenchymal Stem Cells as feeder layer for *in vitro* production of human platelets
Louise Tram, Aarhus, Denmark