

Friday, 14th September 2012

08:30-09:00 **INVITED SPEAKER** "The impact of Technical Diving on recreational diving safety in today diving tourism destinations" *Adel Taher (Egypt)*

SESSION 5 – Research in Diving Medicine

Chairmen: Ole Hyldegaard, Yoram Grossman

- 09:00-09:15 OP-23 THE INFLUENCE OF BODY FAT ON BUBBLE FORMATION IN RECREATIONAL DIVERS MEASURED BY DOPPLER MONITORING AFTER DIVING
N. A. Schellart, T.P. van Rees Vellinga, F.J. van Dijk, W.Sterk
- 09:15-09:30 OP-24 PREVALENCE AND GENETIC PREDISPOSITION TO ACUTE RESPIRATORY SYMPTOMS IN BREAT-HOLD DIVERS
D. Cialoni, M. Pieri, N. Sponsiello, C. Marabotti, F. Garoia, P. De Cristofaro, E. Pesciotti, A. Marroni
- 09:30-09:45 OP-25 VENOUS GAS EMBOLI AFTER COMPRESSED-AIR DIVING: IDENTIFICATION OF PREDICTIVE BIOPHYSIOLOGICAL FACTORS
W.Hemelryck, P. Germonpré, P.Lafère, C. Balestra, S.Theunissen, F. Tillmans
- 09:45-10:00 OP-26 EFFECT OF DIVING ON HUMAN CUTANEOUS VASCULAR ENDOTHELIAL FUNCTION
K. Lambrechts, J. M. Pontier, A. Mazur, Q. Wang, M. Theron, F. Guerrero
- 10:00-10:15 OP-27 EFFECT OF OXYGEN-STOP DECOMPRESSION ON BUBBLE FORMATION AND CELL-DERIVED MICRO-PARTICLE RELEASE AFTER AN OPEN-SEA AIR DIVE
J-M Pontier, K. Lambrechts, F Guerrero
- 10:15-10:30 OP-28 THE EFFECT OF ICE DIVING ON PERIPHERAL SKIN TEMPERATURE ON DIVERS WITH SPINAL CORD INJURY- A PRELIMINARY REPORT
U.Gajsek, Z. Finderle
- 10:30-11:00 **COFFEE BREAK**

SESSION 6 – Research in Hyperbaric Medicine

Chairmen: Erik Jansen, Ian Millar

- 11:00-11:15 OP-29 TRANSIENT NORMOBARIC HYPEROXIA INHIBITS LEUKEMIA CELL LINE PROLIFERATION SECONDARY TO A CELL CYCLE BLOCKING IN S-PHASE
F. Tillmans, F. Maquerlot, F. Corazza, G.K. Orman, P. Radermacher, C. Balestra, D. De Bels
- 11:15-11:30 OP-30 HYPERBARIC OXYGENATION IN RESTORATION OF THE COGNITIVE FUNCTIONS IN CHILDREN
N.Jovanovic Simic, T.Jovanovic, P.Brkcic, A. Mitrovic
- 11:30-11:45 OP-31 CHANGES IN MITOCHONDRIAL RESPIRATORY RATE IN LEUKEMIC CELL LINE AFTER TRANSIENT NORMOBARIC HYPEROXIA
M. Theron, F. Tillmans, Q. Wang, P. Radermacher, C. Balestra
- 11:45-12:00 OP-32 HYPERBARIC OXYGENATION REDUCES NEURONAL DEGENERATION IN THE RAT BRAIN TISSUE AFTER CORTICAL INJURY
P. Brkcic, T. Jovanovic, M. Stojiljkovic, S. Dacic, I. Lavrnja, A. Parabucki, A. Mitrovic, I. Bjelobaba, D.Stojkov, S.Pekovic
- 12:00-12:15 OP-33 IMPACT OF NORMOBARIC HYPEROXIA ON VASCULAR ENDOTHELIAL GROWTH FACTOR DOWN REGULATION IN LEUKEMIA CELLS
M. Legout, F. Corazza, D. De Bels, I. Heninger-Favier, C. Balestra, P. Radermacher, E. Tillmans
- 12:15-12:30 OP-34 TIME COURSE OF CHANGES IN EXPIRED NITRIC OXIDE AND CARBON MONOXIDE DURING ACUTE NORMOBARIC HYPEROXIC EXPOSURES
D.M. Fothergill, H.G. Gasier
- 12:30-14:00 **LUNCH BREAK / POSTER EXHIBITION**