

ORAL SESSION

Paediatric Cardiology I - Basic Science - Richard Rowe Award Competition

Monday, October 28, 11:00 - 12:30

81 ASSESSING MYOCARDIAL PERFORMANCE IN A NEONATAL PORCINE LEFT-TO-RIGHT SHUNT MODEL Christina J VanderPluym, Gerhart Frost, Jon Timinsky, James Y Coe, Edmonton (DNC)

82 DEVELOPMENTAL REGULATION OF KV CHANNEL EXPRESSION AND O₂ SENSING IN RABBIT DUCTUS ARTERIOSUS A POSSIBLE CLUE TO THE ETIOLOGY OF PERSISTENT DUCTUS IN PRETERM RABBITS* B Thébaud, E Michelakis, XC Wu, J Dyck, K Hashimoto, G Harry, SL Archer, Vascular Biology Group, University of Alberta, Edmonton (DNC)

83 INHIBITION OF PLATELET AGGREGATION BY 100% OXYGEN IN NEWBORN PIGLETS WITH HYPOXIA-REOXYGENATION J Stevens, E Haase, A Neil, L Stang, D Bigam, W Etches, MW Radomski, P-Y Cheung, Edmonton (DNC)

84 ECHO-DOPPLER ASSESSMENT OF THE BIOPHYSICAL PROPERTIES OF THE AORTA IN ADOLESCENTS WITH TYPE 1 DIABETES TJ Bradley, JE Potts, MT Potts, A DeSouza, DL Metzger, GGS Sandor, BCs Children's Hospital, Vancouver, Canada (DNC)

85 PATENT DUCTUS ARTERIOSUS (PDA) SUPPRESSES CARDIAC SENSORY NEURONAL CHEMOTRANSDUCTION IN NEWBORN PIGLETS RP-C Chen, GW Thompson, JA Armour, Halifax (DNC)

86 VENTRICLE-SPECIFIC POSTNATAL MATURATIONAL DIFFERENCES IN GLUCOSE TRANSPORTER EXPRESSION IN THE HEART KS Bandali, MP Belanger, C Wittnich. Toronto (ND)

ORAL SESSION

Non-Invasive I

Monday, October 28, 11:00 - 12:30

87 IMAGE-BASED RETROSPECTIVE GATING FOR THREE-DIMENSIONAL (3D) INTRAVASCULAR ULTRASOUND S Nadkarni, D Boughner, A Fenster, London (ND)

88 CORRELATION BETWEEN NONINVASIVE MEASURES OF ANATOMIC EXTENT OF SUBCLINICAL ATHEROSCLEROSIS AND ENDOTHELIAL FUNCTION E Lonn, F Charbonneau, S Edworthy, S Verma, C Chambers, S Smith, R Djuric, T Anderson, for the FATE Investigators, Hamilton, Calgary and Montreal (DNC)

89 ABNORMAL ENDOTHELIUM-DEPENDENT AND ENDOTHELIUM-INDEPENDENT BRACHIAL ARTERY DILATION IN A GROUP OF PATIENTS WITH FABRY DISEASE: A POSSIBLE RELATIONSHIP WITH ABNORMALITIES OF DIASTOLIC FILLING P Harvey, J Clarke, J Wherrett, S Siu, N Merchant, Y Provost, T Heeney, RM Iwanochko, University Health Network, and The Hospital for Sick Children, Toronto, Canada (DNC)

90 LEFT VENTRICULAR FILLING PARAMETERS AND PULMONARY ARTERIAL PRESSURES IN ECHOCARDIOGRAPHICALLY NORMAL PATIENTS AGED 90-100 H Dokainish, K Gin, PK Lee, J Jue, Division of Cardiology, Vancouver General Hospital, Vancouver, Canada (DNC)

91 ENHANCED EXTERNAL COUNTERPULSATION (EECP) IMPROVES SYSTOLIC FUNCTION IN PATIENTS WITH CORONARY ARTERY DISEASE (CAD) R Arora, M Carlucci, S Lopez, A Malone, H Shah, M Richard, R Bejjanki, T Smith, C Belzaira, M Sarcic, of Medicine & Dentistry of New Jersey, University Hospital, Newark, New Jersey (DNC)

92 VALIDATION OF EKG CRITERIA FOR PULMONARY HYPERTENSION K Al-Naamani, T Huynh, S Andrew, McGill University Health Center, Montreal, Quebec, Canada (DNC)

ORAL SESSION

Interventional Cardiology I - Myocardial Infarction/ACS

Monday, October 28, 11:00 - 12:30

93 DIRECT COSTS OF PRIMARY STENTING VERSUS THROMBOLYSIS IN ACUTE MYOCARDIAL INFARCTION MR Le May, H Sherrard, M Labinaz, RF Davies, G Nichol, J-F Marquis, LA Laramée, E O'Brien, RSB Beanlands, WL Williams, LA Higginson, University of Ottawa Heart Institute, Ottawa (DNC)

94 VALIDATION OF A SIMPLE BEDSIDE OUTCOME PREDICTION MODEL IN PATIENTS WITH ACUTE CORONARY SYNDROMES UNDERGOING PCI J Hubacek, WA Ghali, PD Galbraith, PD Faris, ML Knudtson, For the Approach Investigators, Calgary and Edmonton, Alberta (DNC)

95 RANDOMIZED COMPARISON OF THE EFFECTS OF EPTIFIBATIDE (EPT) OR TIROFIBAN (TIR) WITH ENOXAPARIN (ENX) OR UNFRACTIONATED HEPARIN (UFH) ON PLATELET ACTIVATION, MONOCYTE ACTIVATION AND PLATELET-MONOCYTE INTERACTIONS DURING PCI S Rahakrishnan, M Reis, M Edgecombe-Godin, J Robinson, S Naqvi, S Fort, S Shanmugasaram, EA Cohen, M Madan, Toronto (DC)

96 PLATELET AGGREGATION IN ACUTE CORONARY SYNDROME VERSUS STABLE ANGINA DURING CORONARY INTERVENTION: INSIGHT FROM THE TEAM TRIAL Annapoorna Kini^a, Clea Senechal^b, Paul Lee^b, Peter Liu^c, Samin Sharma^a, ^aMount Sinai School of Medicine, New York, NY; and ^bUniversity of Toronto, Canada (DNC)

97 PATIENTS WITH ACUTE MYOCARDIAL INFARCTION WHO UNDERWENT PERCUTANEOUS CORONARY INTERVENTION EXPERIENCED A BETTER EVENT FREE SURVIVAL S Bérubé, S Lepage, Sherbrooke, Québec (DNC)

98 FREQUENCY AND SIGNIFICANCE OF COMPLEX LESIONS IN NON INFARCT-RELATED ARTERIES OF PATIENTS WITH ACUTE ST ELEVATION MYOCARDIAL INFARCTION DH Kim, JR Burton, L Lindholm, Y Fu, PW Armstrong, for the CAPTORS II Investigators, Edmonton, AB, Canada (DNC)

ORAL SESSION

CHS/CCS Joint I - Molecular Biology & Animal Models

Monday, October 28, 11:00 - 12:30

99 REGULATION OF MYOCARDIAL HYPERTROPHY AND CONTRACTILITY BY THE PI3 KINASE AND PTEN PHOSPHATASE SIGNALING PATHWAYS GY Oudit, MA Crackower, I Koziarzdzki, S Izumo, PH Backx, JM Penninger, Heart & Stroke/Richard Lewar Centre for Excellence, University of Toronto, and Amgen Research Institute/Ontario Cancer Institute (DNC)

100 PUTATIVE INTERACTIONS OF KIR6.1 SUBUNIT OF KATP CHANNEL WITH NON-CHANNEL PROTEINS ¹DH Hu, ¹K Cao, ²JS Park, ³W Xiao, ¹R Wang Departments of ¹Physiology and ²Microbiology and Immunology, University of Saskatchewan, Saskatoon, SK, Canada (DNC)

101 MOLECULAR INSIGHT INTO THE MECHANISM OF HOW ACETYLCHOLINE INHIBITORS REDUCE MORTALITY POST-MYOCARDIAL INFARCTION Pu Liao, Sami Arab, Paul Lee, Peter Liu, Heart & Stroke/Richard Lewar Centre of Excellence, University of Toronto (DNC)

102 BRAIN RENIN-ANGIOTENSIN SYSTEM CORRECTS HYDRONEPHROSIS AND DEFICIT IN URINE CONCENTRATION IN ANGIOTENSINOGEN KNOCKOUT MICE N Lochard, DW Silversides, JP Van Kats, C Mercure, TL Reudelhuber, Clinical Research Institute of Montreal, Faculty of Veterinary Medicine, University of Montreal (DNC)