

2009 INTS PEDIATRIC TBI FOCUS

* times in each session are approximate

MONDAY

 6-7:30pm Plaza del Sol **Welcome Reception**
TUESDAY

 8:10:15am Plaza del Sol **1D: Younger Is Not Always Better** **David Adelson**

| 9:30-10am | Poster # | Group A Posters (1-131): Santa Barbara Ballroom | |
|-------------|-----------------------|--|---------------------------------------|
| | 7 | MRI PREDICTORS OF OUTCOME FOLLOWING PEDIATRIC TRAUMATIC BRAIN INJURY: WHOLE BRAIN WHITE MATTER AND GRAY MATTER VOLUMETRY, T2 RELAXOMETRY AND DIFFUSION TENSOR METRICS | Linda Ewing-Cobbs |
| | 10 | DEVELOPING A RAPID MRI PROTOCOL FOR TRAUMATIC BRAIN INJURY SCREENING IN CHILDREN | Michael Simoni |
| | 23 | FLUID PERCUSSION INJURY IN THE IMMATURE RAT CAUSES A SUSTAINED REDUCTION OF HIPPOCAMPAL BDNF INDEPENDENT OF ENVIRONMENTAL HOUSING CONDITIONS | Christopher Giza |
| | 50 | INCREASE IN GLUCOSE 6-PHOSPHATE DEHYDROGENASE ACTIVITY AFTER CONTROLLED CORTICAL IMPACT INJURY IN RAT CORTEX | Mayumi Prins |
| | 61 | AGE AND OUTCOME AFTER TRAUMATIC BRAIN INJURY IN CHILDREN | Luca Longhi |
| | 70 | DIFFUSION TENSOR IMAGING AND RECOVERY AFTER PEDIATRIC TRAUMATIC BRAIN INJURY: FRACTIONAL ANISOTROPY IN THE CORPUS CALLOSUM AND CORRELATIONS WITH NEUROPSYCHOLOGICAL MEASURES | Sarah Copeland |
| | 80 | RAPID SAGITTAL ROTATIONS PRODUCE MORE SEVERE PHYSIOLOGICAL AND HISTOPATHOLOGICAL RESPONSES IN NEONATAL PIGLETS THAN CORONAL OR HORIZONTAL ROTATIONS | Stephanie Eucker |
| | 99 | CYCLOSPORINE A RESTORES MITOCHONDRIAL FUNCTION IN IMMATURE RAT FOCAL TBI AND PIGLET DIFFUSE TBI | Todd Kilbaugh |
| | 101 | THERAPEUTIC WINDOW FOR ADMINISTRATION OF KETONE BODIES AFTER BRAIN TRAUMA IN THE JUVENILE BRAIN | Kathleen Xu |
| | 124 | EFFECT OF SEVERE TBI ON LIPID METABOLISM IN CHILDREN | Rebecca Smith |
| | 126 | A POPULATION BASED STUDY ON SERIOUS INFLECTED AND NON-INFLECTED TRAUMATIC BRAIN INJURY IN CHILDREN LESS THAN FIVE YEARS OF AGE | Anne-Marie Guerguerian ¹ , |
| | 130 | LATERAL FLUID PERCUSSION MORTALITY IS INCREASED WITH MK801 PRETREATMENT IN P19 RAT PUPS | Garni Barkhoudarian |
| 12:10-12:30 | San Rafael Ballroom | B02, B: Pediatric issues in sports concussion assessment and management | Gerard Gioia |
| 12:30-1:00 | Sierra Madre Ballroom | B03, C: Brain development and the impact of TBI | Elizabeth Sowell |
| 4:45-5:10 | Sierra Madre Ballroom | B06, A: FMRI after MTBI | Jamie Pardini |
| 5:30-6:00 | Sierra Madre Ballroom | DTI after MTBI | Elizabeth Wilde |

| WEDNESDAY | | | |
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| 10:15-11:45 | Poster # | Group B Posters (132-262): Santa Barbara Ballroom | |
| | 147 | DIFFUSION TENSOR IMAGING OF ASSOCIATION AND LIMBIC PATHWAYS FOLLOWING PEDIATRIC TRAUMATIC BRAIN INJURY: EFFECTS OF AGE AT INJURY AND AGE AT SCAN | Linda Ewing-Cobbs |
| | 161 | POST-TRAUMATIC SEIZURES IN A PEDIATRIC TBI POPULATION, A RETROSPECTIVE LOOK WITH PROSPECTIVE GOALS | Jason Lerner |
| | 168 | REDUCED GLUTAMATERGIC ACTIVATION AFTER DEVELOPMENTAL FLUID PERCUSSION INJURY MAPPED BY PHARMACOLOGICAL MRI (phMRI). | Naomi Santa Maria |
| | 170 | INFLAMMATORY CYTOKINES ASSOCIATED WITH TRAUMATIC BRAIN INJURY IN CHILDREN- A SYSTEMATIC REVIEW | Audrey Ogawa Shibata |
| | 176 | ENHANCED OUTCOME PREDICTION IN PEDIATRIC TRAUMATIC BRAIN INJURY USING PAIRED COMBINATIONS OF GLASGOW COMA SCORE AND SERUM BIOMARKERS | T Lo |
| | 178 | BRAIN-SYSTEMIC TEMPERATURE GRADIENT IS TEMPERATURE-DEPENDENT IN CHILDREN WITH SEVERE TRAUMATIC BRAIN INJURY (TBI) | Craig Smith |
| | 181 | LOCALIZATION OF GAPDH EXPRESSION FOLLOWING CONTROLLED CORTICAL IMPACT IN JUVENILE RATS | Mayumi Prins |
| | 183 | OXIDATIVE NEURONAL AND ASTROCYTIC METABOLISM OF BETA-HYDROXYBUTYRATE FOLLOWING TRAUMATIC BRAIN INJURY IN YOUNG RATS | Susanna Scafidi |
| | 190 | NEUROPSYCHOLOGICAL DEFICITS FOLLOWING PEDIATRIC TRAUMATIC BRAIN INJURY | Pamela Garcia-Filion |
| | 196 | INCREASING INJURY SEVERITY EXACERBATES NEURODEGENERATION, AXONAL INJURY, AND CHRONIC COGNITIVE DEFICITS, BUT MINIMALLY AFFECTS CASPASE-3 ACTIVATION FOLLOWING CONTUSIVE BRAIN INJURY IN THE IMMATURE RAT | Jimmy Huh |
| | 197 | LONG-TERM BEHAVIORAL ASSESSMENT IN TWO MOUSE MODELS OF JUVENILE TBI | Joel E. Kamper |
| | 216 | SERUM AMINO ACIDS EARLY AFTER SEVERE TBI IN CHILDREN | Sirine Baltagi |
| | 241 | MITOCHONDRIAL TARGETING OF ANTIOXIDANTS WITH ANTI-APOPTOTIC ACTION IN PEDIATRIC TBI | Jing Ji |
| 11:45-12:05 | Santa Ynez Ballroom | B07, A: Hypothermia: Risks and concerns in pediatrics | Jamie Hutchinson |
| 12:30-1:00 | San Rafael Ballroom | B08, C: Craniotomy for children | Anthony Figaji |
| 4:45-5:15 | San Rafael Ballroom | B10,A: Advanced MR imaging techniques in pediatric TBI: SWI and multivoxel MRSI | Karen Tong |
| 5:10-5:30 | Santa Ynez Ballroom | B09, B: Cerebral blood flow monitoring | Monica Vavilala |
| 5:30-6:00 | Santa Ynez Ballroom | B09, C: Cerebral perfusion pressure in children: a complex exposure in children | Robert Tasker |

| THURSDAY | | | |
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| | Grand Ballroom | P05, VA: Neuroprotection and vulnerability in the immature brain | Chrysanthy Ikonomidou |
| 8:30-9:00 | | | |
| 10:15-11:45 | Poster # | Group C Posters (263-392): Santa Barbara Ballroom | |
| | 264 | REDUCTIONS IN ANTERIOR CC AREA ARE RELATED TO FUNCTIONAL DEFICITS IN CHILDREN FIVE MONTHS AFTER A MODERATE TO SEVERE TBI. | Suzanne Hilleary |
| | 271 | MRI ASSESSMENT OF IRON-MEDIATED NEUROPATHOLOGY FOLLOWING JUVENILE TRAUMATIC BRAIN INJURY | Andre Obenaus |
| | 294 | AGE-DEPENDENT CHANGES IN GENE EXPRESSION FOLLOWING COMPLETE SPINAL CORD TRANSECTION IN NEONATAL OPOSSUMS (MONODELPHIS DOMESTICA) | Norman Saunders1, |
| | 312 | METABOLIC AND BIOENERGETIC CHANGES WITH KETOGENIC DIET VS STANDARD DIET AFTER CONTROLLED CORTICAL IMPACT IN JUVENILE RAT BRAINS MEASURED BY IN VITRO MAGNETIC RESONANCE SPECTROSCOPY | Ying Deng-Bryant |
| | 323 | PREDICTING POST-CONCUSSION SYNDROME AT THREE MONTHS AFTER A MILD TRAUMATIC HEAD INJURY IN CHILDREN | Karen Maria Barlow |
| | 327 | DEFORMATION THRESHOLD FOR AXONAL INJURY IS LARGER IN TODDLER THAN INFANT PIGS | Nicole Ibrahim |
| | 328 | JUVENILE MODEL OF CLOSED HEAD MILD REPEAT TBI | Mayumi Prins |
| | 333 | SEVERITY OF EXTRA-AXIAL HEMORRHAGE FROM NON-IMPACT INERTIAL HEAD ROTATION IN THE IMMATURE PIG VARIES WITH DIRECTION | Brittany Coats |
| | 338 | METABOLITE LEVELS IN THE CORPUS CALLOSUM AND THEIR STRUCTURAL AND NEUROBEHAVIORAL CORRELATES FOLLOWING MODERATE TO SEVERE PEDIATRIC TBI | Talin Babikian |
| | 366 | NEUROPROTECTIVE EFFECTS OF TESTOSTERONE AND GDNF AFTER SPINAL CORD HEMISECTION INJURY IN IMMATURE AND ADULT RATS | Kengo Ogata |
| | 378 | DIFFERENCES IN RESPONSIVENESS TO EXERCISE AFTER TBI IN IMMATURE AND ADULT RATS | David Garfinkel |
| | 387 | UNDERSTANDING METABOLIC REQUIREMENTS OF CHILDREN AFTER SEVERE TBI | Rebecca Smith |
| | 389 | HIGHER CEREBRAL PERFUSION PRESSURES IMPROVE BRAIN TISSUE OXYGENATION AND CEREBRAL METABOLISM FOLLOWING PEDIATRIC BRAIN INJURY | Stuart Friess |

| FRIDAY | | | | |
|-------------|---------------------|--|----------------------------|--|
| 9:30-10:00 | Grand Ballroom | P06, V1D: Fueling the injured developing brain | Mayumi Prins | |
| 10:15-11:45 | | Group C Posters (263-392): Santa Barbara Ballroom | | |
| 12:05-12:30 | San Rafael Ballroom | B15,B: A randomized controlled trial of multisensory environmental therapy after pediatric neurotrauma | Gillian Hotz | |
| 12:30-1:00 | San Rafael Ballroom | B15,C: A randomized controlled trial of cognitive rehab after TBI | Ingrid van't Hooft | |
| 2:50-3:10 | Grand Ballroom | P07,B: Experience dependent plasticity following developmental TBI | Christopher Giza | |
| 3:45-4:15 | Grand Ballroom | P07,D: The potential for reparative neurogenesis after CNS injury | Henriette van Praag | |
| 5:45-6:15 | San Rafael Ballroom | B17,C: Activation of plasticity mechanisms following injury in the developing and mature nervous system | Paul Reier | |
| 6:15-6:30 | Grand Ballroom | P08: Patient Perspective | Patrick Donohue | |
| 6:30-7:30 | Grand Ballroom | Closing ceremony and student awards | | |