

**\*\*\*Space in workshops is limited and participation is limited to a first come, first served basis**

**Thursday, April 23, 2009**

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| <b>11:00 Registration Opens</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                        |                                                                                                                     |                                                                  |                                                                                                            |
| <b>15:00-17:00 Workshops</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                        |                                                                                                                     |                                                                  |                                                                                                            |
| <b>Workshop 1A</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <b>Workshop 1B</b>                                                     | <b>Workshop 1C</b>                                                                                                  | <b>Workshop 1D</b>                                               | <b>Workshop 1E</b>                                                                                         |
| How to simulate with Microsoft Excel/<br>C. Minto, Australia/<br>T. Schnider, Switzerland/<br>P. Gambus, Spain                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Analgo sedation in neurosurgery : new aspect /<br>A. Del Gaudio, Italy | Infusion pumps and pharmacokinetic models<br>A. Absalom, UK /<br>F. Servin, France<br><b>SPONSORED BY FRESENIUS</b> | Neuromonitoring and depth of anaesthesia /<br>M. Struys, Belgium | Human Patient Simulator: MCI / TCI case reports (beginners)<br>W. Heinrichs, Germany /<br>F. Azzeri, Italy |
| <b>17.30-20.00 Opening Ceremony</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                        |                                                                                                                     |                                                                  |                                                                                                            |
| <p>Message from the Chairman:<br/>Q. Piacevoli, Italy</p> <p>Greetings from International and National Societies:<br/>A. Enright, President of World Federation Societies of Anaesthesiologists<br/>J. Schüttler, President of Deutsche Gesellschaft für Anaesthesiologie und Intensivmedizin</p> <p>T. Schnider, President of ISAP</p> <p>Official Opening – A. Enright</p> <p><b>Citation and Award</b><br/>S. Shafer, USA presents to:<br/>J. Schuttler, Germany<br/>H. Schwilden, Germany</p> <p><b>Keynote lectures</b></p> <p>The history of TCI / J. Schuttler, Germany<br/>The history of FDA intervention / D. Schultz</p> |                                                                        |                                                                                                                     |                                                                  |                                                                                                            |
| <b>Followed by Welcome Reception</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                        |                                                                                                                     |                                                                  |                                                                                                            |

## Friday, April 24, 2009

| 08:00-09:00                                                                                                                                                       |                                                                                               |                                                                                |                                                   |                                                                                                                 |                                 |                                                   |                                                                                                        |
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| <b>Meet the Expert</b>                                                                                                                                            | <b>Meet the Expert</b>                                                                        | <b>Meet the Expert</b>                                                         | <b>Meet the Expert</b>                            | <b>Meet the Expert</b>                                                                                          | <b>Meet the Expert</b>          | <b>Meet the Expert</b>                            |                                                                                                        |
| The 2008 anaesthetic pipeline / S. Shafer, USA                                                                                                                    | How to look slick time with remifentanil / C. Minto, Australia                                | Analgo-sedation in ICU / A. Absalom, UK                                        | Back to the future: ketamine / P. Di Marco, Italy | Dexmedetomidine: perioperative use / M. Irwin, Hong Kong, China                                                 | Sugammadex / E. Vincenti, Italy | Perioperative pharmacogenomics/ P. Flood, USA     |                                                                                                        |
| 08:30-10:30                                                                                                                                                       |                                                                                               |                                                                                | 09:00-11:00                                       |                                                                                                                 |                                 |                                                   | 09:00-10:30                                                                                            |
| <b>Parallel Session 1</b><br><b>Remifentanil</b>                                                                                                                  | <b>Parallel Session 2</b><br><b>Monitored anaesthesia care</b>                                | <b>Parallel Session 3</b><br><b>Paediatric anaesthesia and sedation</b>        | <b>Workshop 2A</b>                                | <b>Workshop 2B</b>                                                                                              | <b>Workshop 2C</b>              | <b>Workshop 2D</b>                                | <b>Workshop 2E</b>                                                                                     |
| Mechanical ventilation during TIVA-TCI / C. Gregoretti, Italy                                                                                                     | Monitoring of breathing / P. Gambus, Spain                                                    | Remifentanil in children/ M. Sammartino, Italy                                 | Interactions / J. Vuyk, The Netherlands           | Infusion pumps and pharmacokinetic models / A. Absalom, UK / F. Servin, France<br><b>SPONSORED BY FRESENIUS</b> |                                 | NONMEM for (or from) dummies / M. Struys, Belgium | Human Patient Simulator: MCI / TCI case reports (beginners) / W. Heinrichs, Germany / F. Azzeri, Italy |
| Comparison between Remifentanil blood, CSF and cerebral extra cellular fluid levels / A. Del Gaudio, Italy & Q. Piacevoli, Italy                                  | Remifentanil TCI in patients breathing spontaneously / V. Billard, France                     | Which model for propofol TCI in children / I. Constant, France                 |                                                   |                                                                                                                 |                                 |                                                   |                                                                                                        |
| Targeting effect site concentration of propofol for sedation in children: comparison of two plasma-effect site equilibration rate constants / F. Auricchio, Italy | Adjusting the monitored anaesthesia care according to respiration / M. Luginbühl, Switzerland | TIVA TCI and pediatrics: where are we and where are we going? / J. Lerman, USA |                                                   |                                                                                                                 |                                 |                                                   |                                                                                                        |
| Fine tuning with remifentanil / P. Sepulveda, Chile                                                                                                               | Midazolam: does MAC still play a role? / S. Albrecht, Germany                                 | Pediatric Sedation with Dexmedetomidine / K. Mason, USA                        |                                                   |                                                                                                                 |                                 |                                                   |                                                                                                        |
| <b>10:30-11:00 - Coffee Break, Poster and Exhibition Visit</b>                                                                                                    |                                                                                               |                                                                                |                                                   |                                                                                                                 |                                 |                                                   |                                                                                                        |
| <b>11:00-13:30</b>                                                                                                                                                |                                                                                               |                                                                                |                                                   |                                                                                                                 |                                 |                                                   |                                                                                                        |
| <b>Plenary Session</b>                                                                                                                                            |                                                                                               |                                                                                |                                                   |                                                                                                                 |                                 |                                                   |                                                                                                        |

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| <b>TIVA-TCI :The Future</b>                                                                 |
| TCI: the point of view of the F.D.A / D. Schultz, USA                                       |
| Rational PK/PD based anaesthesia strategies / T. Schnider, Switzerland                      |
| TCI and the Obesity Epidemic: Current Practice and Future Directions/ A. Sultana, Australia |
| Future TCI issues and industry / S. Ruton, France                                           |

**13:30-14:30 - Lunch Break, Poster and Exhibition Visit**

**14:30-16:00**

| <b>Parallel Session 1<br/>Monitoring depth of anaesthesia</b>                        | <b>Parallel Session 2<br/>Special populations :<br/>Intensive Care Unit</b>                | <b>Parallel Session 3<br/>Education</b>                                                                             | <b>Workshop 3A</b>                                                                                                        | <b>Workshop 3B</b>                                             | <b>Workshop 3C</b>                          | <b>Workshop 3D</b>                                                                                   |
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| Propofol sedation: memory, speech perception and processing / T. Absalom, UK         | Drug infusion in ICU: what does the patient really receive? / Q. Piacevoli, Italy          | Education in developing countries / M. Irwin, Hong Kong, China                                                      | Better opiate administration with TCI/ / M. Struys, Belgium/ H. Vereecke, Belgium/<br><b>SPONSORED BY CARDINAL HEALTH</b> | Depth of anaesthesia and muscle relaxants / E. Vincenti, Italy | Closed loop systems / H. Schwilden, Germany | Human Patient Simulator: TIVA TCI case reports (advanced) / W. Heinrichs, Germany / F. Azzeri, Italy |
| Depth of anaesthesia monitoring and TCI: Do we need both? / T. Schnider, Switzerland | Improving Sedation in Intensive Care: new drugs, or better methods? / G. Shaw, New Zealand | The use of human patient simulator for teaching TIVA / W. Heinrichs, Germany                                        |                                                                                                                           |                                                                |                                             |                                                                                                      |
| Clinical application of BIS monitoring / K. Leslie, Australia                        | Evaluating analgo-sedation in I.C.U. / J. Takala, Switzerland                              | Safety: Strategies to enhance reliability and prevent patient harm with TIVA/ open TCI / P. Barach, The Netherlands |                                                                                                                           |                                                                |                                             |                                                                                                      |
| Routine clinical information and haemodynamics / TBA                                 | Longlasting Propofol infusion in ICU / F. Sztark, France                                   | How our brain actually learns / S. Himmelseher, Germany                                                             |                                                                                                                           |                                                                |                                             |                                                                                                      |

**16:00-16:30 - Coffee Break, Poster and Exhibition Visit**

| 16:30-18:30                                                                                           |                                                                                                                       | 16:30 – 17:30                                                                           | 16:30 – 18:30                                                                          | 16:30 – 18:00                                                                                                                                                                                                                                          |                                                                                                         |                                                                                                                                                   |
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| <b>Parallel Session 1<br/>Next Generation<br/>Devices for<br/>monitoring depth<br/>of anaesthesia</b> | <b>Parallel Session 2<br/>Propofol</b>                                                                                | <b>Parallel Session 4<br/>Pain Assessment</b>                                           | <b>Parallel Session 5<br/>New Drugs and<br/>Technologies in<br/>Anesthesia</b>         | <b>Workshop 4A<br/>Workshop of<br/>Pharmacoeconomics</b>                                                                                                                                                                                               | <b>Workshop 4B</b>                                                                                      | <b>Workshop 4C</b>                                                                                                                                |
| AEP index /<br>E. Webber Jensen,<br>Spain                                                             | Propofol front end<br>kinetics /<br>K .Masui, Japan                                                                   | Regional anaesthesia: Which<br>sedation or integration is needed<br>/ B. Borghi, Italy  | Magnesium for<br>neuroprotection/ T. Gin                                               | Fast track, from theory to<br>practice in my local<br>hospital/Chairman:Q.Piace<br>voli Dr<br>P.Schönsby:Enhanced<br>recovery of surgery, a new<br>world for gynaecological<br>patients.<br>Dr. Ender:Fast track<br>concept<br><b>SPONSORED BY GSK</b> | Perioperative<br>cardioprotection, stents<br>and antiplatelet agents /<br>M. Irwin, Hong Kong,<br>China | Airway management<br>techniques<br>(ExtraGlotticDevices,<br>Tracheal Intubation,<br>Cricothyroidotomy,<br>Fiberoptic<br>techniques)/F.Agrò, Italy |
| The role of EEG<br>monitors in<br>anaesthetic titration /<br>S. Shafer, USA                           | New formulations /<br>J. Schuttler, Germany                                                                           | Strategies to optimize short and<br>long term hyperalgesia /<br>S. Himmelseher, Germany | The Ethicon Sedasys<br>System /<br>T. Egan, USA                                        |                                                                                                                                                                                                                                                        |                                                                                                         |                                                                                                                                                   |
| The future of BIS-<br>guided IV anesthesia<br>/<br>P. Manberg, USA                                    | <b>Parallel Session 3<br/>Cardioprotection</b>                                                                        | Measurement of nociception /<br>M. Luginbühl, Switzerland                               | <b>17:30 – 18:30<br/>Parallel Session 6<br/>Sedation by non<br/>Anaesthesiologists</b> |                                                                                                                                                                                                                                                        |                                                                                                         |                                                                                                                                                   |
| Entropy /<br>K. Hillka, Finland                                                                       | Cardioprotection with<br>opioids or inhalational<br>agents /<br>K.A. Kirkeboen, Norway                                | Hyperalgesia and remifentanil:<br>myth or reality? /<br>B. Gustorff, Austria            | Drug development in<br>anaesthesia /<br>D. Stanski, USA                                |                                                                                                                                                                                                                                                        |                                                                                                         |                                                                                                                                                   |
|                                                                                                       | Remifentanil and<br>desflurane: which role<br>for cardio protection with<br>opioids? /<br>F. Azzeri, Italy            |                                                                                         | Clinical pharmacology<br>display systems /<br>T. Egan, USA                             |                                                                                                                                                                                                                                                        |                                                                                                         |                                                                                                                                                   |
|                                                                                                       | Remifentanil and<br>desflurane: what role for<br>cardio protection with<br>volatile agents? / F.<br>Guarracino, Italy |                                                                                         |                                                                                        |                                                                                                                                                                                                                                                        |                                                                                                         |                                                                                                                                                   |

**18:30 – 19:30**  
**WORLD SIVA GENERAL ASSEMBLY**

## Saturday, 25th April, 2009

| 08:00-10:00                                                                             | 08:00-09:00                                                       | 07:30-09:00                                                                                        | 08:00-09:00                                                                    |                                                            |                                                                                                                                     | 08:00-10:00                                                                                                                                                              |                                                                                                     |
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|                                                                                         | <b>Meet the Expert</b>                                            | <b>Meet the Expert</b>                                                                             | <b>Meet the Expert</b>                                                         | <b>Meet the Expert</b>                                     | <b>Meet the Expert</b>                                                                                                              | <b>Meet the Expert</b>                                                                                                                                                   |                                                                                                     |
| <b>Session Sponsored by B. Braun</b>                                                    | Monitoring of ventilation in MAC / V. Billard, France             | Open TCI Meeting (Registered Members) S. Shafer, USA, C.Minto, Australia, T. Schnider, Switzerland | New frontiers of TCI: muscle relaxants / P. Roncucci, Italy                    | NK antagonist and adjunct analgesics / M. Irwin, Hong Kong | The software Anestfusor as a clinical instrument / P. Sepulveda, Chile                                                              | Evidence-Based Management of Perioperative Pain Prevention with NMDA-Antagonists - an Interactive Lecture with Brain-Friendly Teaching Methods / S. Himmelseher, Germany |                                                                                                     |
| 08:30-11:00                                                                             |                                                                   |                                                                                                    |                                                                                | 09:00-11:00                                                | 08:30-11:00                                                                                                                         | 09:00-11:00                                                                                                                                                              |                                                                                                     |
| Parallel Session 1<br>Volatiles and TIVA agents                                         | Parallel Session 2<br>Anaesthesia                                 | Parallel Session 3<br>Pk/Pd modelling (20/min each)                                                | Parallel Session 4<br>Paediatric anaesthesia and sedation                      | Workshop 5A                                                | Workshop 5B                                                                                                                         | Workshop 5C                                                                                                                                                              | Workshop 5D                                                                                         |
| Remifentanil in U.s. Anesthesia Practice: Lessons from over 100,000 cases/ T. Egan, USA | Vasopressors during Anaesthesia / T. Gin, China                   | Simple mammillary compartmental models vs recirculatory / physiologic models / C. Minto, Australia | The evolution of ketamine applications in children/ J. Roelofse                | Navigator display / TBA                                    | Tiva/TCI around the World / P. Sepulveda, Chile, P. Mavoungou, France, O. Nagata, Japan, G.J. Noh, South Korea, Q. Piacevoli, Italy | Airway management techniques (ExtraGlottic Devices, Tracheal Intubation, Cricothyroidotomy, Fiberoptic techniques) / F. Agrò, Italy                                      | Human Patient Simulator: TIVA TCI case reports(advanced) / W. Heinrichs, Germany / F. Azzeri, Italy |
| Pain and volatiles / P. Flood, USA                                                      | Anaesthetic cascade mechanisms and TIVA / E. Kochs, Germany       | Muscle relaxation rebound and sugammadex / J.D. Eleveld                                            | Pediatric models for adult TCI pumps/B. Anderson, New Zealand                  |                                                            |                                                                                                                                     |                                                                                                                                                                          |                                                                                                     |
| Nitrous oxide/ P. Myles, New Zealand                                                    | Esmolol vs remifentanil: is it possible? / F. Asenjo, Canada      | Drug Interaction Models / S. Shafer, USA                                                           | Dexmedetomidine: perioperative applications in children/ V. M. Yuen, Hong Kong |                                                            |                                                                                                                                     |                                                                                                                                                                          |                                                                                                     |
| Alzheimer's disease and volatiles/ P. Gambus, Spain                                     | What we can know from EEG during anesthesia? / S. Hagihira, Japan | Drug interactions / T. Boullion, Switzerland                                                       |                                                                                |                                                            |                                                                                                                                     |                                                                                                                                                                          |                                                                                                     |

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| Airway management and TIVA - TCI / T. Schnider, Switzerland | Ablation for atrial fibrillation: sedation or general anaesthesia? / H. Litvan, Spain | Pharmacology in Pregnancy/ T. Gin, Hong Kong |
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| <b>11:00-11:30 - Coffee Break, Poster and Exhibition Visit</b> |  |  |  |  |  |
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| <b>11:30-13:30</b> |  |  |  |  |  |
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| <b>Plenary Session - Pharmacology update</b> |  |  |  |  |  |
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| Mechanisms of general anaesthesia / N. Franks, UK |  |  |  |  |  |
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| What have we learned about inhaled anaesthetic action / J. Sonner, USA |  |  |  |  |  |
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| Consciousness and anaesthesia / E. Brown, USA |  |  |  |  |  |
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| Dreaming and awareness and TIVA / R. Sandin, Sweden |  |  |  |  |  |
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| <b>13:30-14:30 - Lunch Break, Poster and Exhibition Visit</b> |  |  |  |  |  |
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| <b>14:30-16:30</b> |  |  |  | <b>14:30-16:00</b> |  |
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| <b>Parallel Session 1<br/>New Pk/Pd<br/>concepts of opioids</b>                                        | <b>Parallel Session 2<br/>Advanced Haemodynamics<br/>and TIVA</b>                       | <b>Parallel Session 3<br/>TIVA- TCI in special populations: obese<br/>and elderly patients and during<br/>pregnancy</b> |  | <b>Workshop<br/>6A</b>               | <b>Workshop 6B</b>                         |
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| Historical Notes: Opioid analgesic efficacy and minimum effective concentrations / K. Lehmann, Germany | How do we assess fluid requirements / A. De Gasperi, Italy                              | Pharmacology of anaesthetic drugs in the elderly / F. Servin, France                                                    |  | Gabapentinoids / M. Irwin, Hong Kong | Multimodal Analgesia / S. Schug, Australia |
| Morphine: PK-PD, new concepts/ E. Sarton, The Netherlands                                              | Which fluid for which purpose / J. Boldt, Germany                                       | LBM issues in the morbidly obese / V. Billard, France                                                                   |  |                                      |                                            |
| Onset of effect pharmacology / T. Kazama, Japan                                                        | Restricted or unrestricted fluid loading / J.F. Baron, France                           | Applied pharmacology and clinical issues during anaesthesia for morbidly obese patients / J. Raeder, Norway             |  |                                      |                                            |
| Opioids and pharmacogenetics/ A. Dahan, The Netherlands                                                | Impact of hypovolaemia and shock on the pharmacology of anaesthetic drugs/ T. Egan, USA | TIVA-TCI and pregnancy / P. Flood, USA                                                                                  |  |                                      |                                            |

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| <b>16:30-17:00 - Coffee Break, Poster and Exhibition Visit</b> |                                                        |                                                        |  |                                                        |                                                        |                                                        |
| <b>17:00-17:45</b>                                             |                                                        |                                                        |  |                                                        |                                                        |                                                        |
| <b>Oral presentations of the best selected Posters</b>         | <b>Oral presentations of the best selected Posters</b> | <b>Oral presentations of the best selected Posters</b> |  | <b>Oral presentations of the best selected Posters</b> | <b>Oral presentations of the best selected Posters</b> | <b>Oral presentations of the best selected Posters</b> |

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| <b>17:45-18:00</b>                                |
| <b>Plenary Session - Prizes and Presentations</b> |
| <b>18:00</b>                                      |
| <b>Closing Ceremony</b>                           |