

# Programme



## 16<sup>th</sup> International Phillip Zorab Symposium

Smock Alley Theatre, Dublin, Ireland  
20<sup>th</sup> - 21<sup>st</sup> June, 2019

# Programme Thursday 20<sup>th</sup> June, 2019

| Time        | Session   | Speaker                   |
|-------------|---|---------------------------|
| 0800-0900   | Registration - tea and coffee   |                           |
| 0900 - 1100 | Session 1, Moderators: Julian Leong and Andrew Clarke   |                           |
| 0900-0910   | Welcome and housekeeping  | Patrick J Kiely           |
| 0910-0940   | Growth and how to assess it   | James O Sanders           |
| 0940-0945   | Insight into how to use multiple skeletal maturity indices for growth assessment: correlation between olecranon, digital and wrist classification systems             | Prudence Wing Hang Cheung |
| 0945-0950   | A large-scale genome wide association study to identify 20 loci associated with adolescent idiopathic scoliosis in the Japanese                                       | Nao Otomo                 |
| 0950-0955   | Identification of a plasma microRNA signature for predicting curve progression in adolescent idiopathic scoliosis – a 6-year longitudinal follow-up study             | Jiajun Zhang              |
| 0955-1000   | A new modified Luque trolley technique in the treatment of early onset scoliosis - a long-term follow-up of a case series   | Andrew Cottam             |
| 1000-1005   | Unhealthy sagittal profiles (posture) and serious (neuro-)muscular tightness in Dutch youth   | Piet Van Loon             |
| 1005-1010   | Surgical management of severe adolescent idiopathic scoliosis (Cobb angle >90 degrees): outcomes, difficulties, complications, and pitfalls                           | Patrick J Kiely           |
| 1010-1030   | Questions   |                           |
| 1030-1100   | Disordered growth as a paradigm for adolescent idiopathic scoliosis   | René Castelein            |
| 1100-1130   | Morning coffee  |                           |
| 1130-1300   | Session 2, Moderators: Pat Kiely and René Castelein   |                           |
| 1130-1135   | How do we decide when to wean brace treatment in adolescent idiopathic scoliosis? Reducing curve progression risk by use of standardised skeletal maturity parameters | Jason Pui Yin Cheung      |
| 1135-1140   | Univalva brace in the conservative treatment of early onset scoliosis   | Tiziana Greggi            |
| 1140-1145   | Use of ultrasonic bone scalpel in the posterior correction of adolescent idiopathic scoliosis: a safety review  | Masood Shafafy            |
| 1145-1150   | Biallelic loss of function mutations in TBX6 and LFNG in a spectrum of spinal disorders including congenital scoliosis and spondylocostal dysostosis                  | Nao Otomo                 |
| 1150-1155   | Evidence of intrinsic impairment of osteoblast phenotype at the curve apex in girls with adolescent idiopathic scoliosis  | Matthew Newton Ede        |
| 1155-1200   | 50% primary correction of idiopathic scoliosis treatment: fiction or reality?   | Christian Grasl           |
| 1200-1205   | The effect of compliance with a Rigo System Cheneau brace and a specific exercise programme on idiopathic scoliosis curvature   | LouAnn Rivett             |
| 1205-1230   | Questions   |                           |
| 1230-1300   | Cerebrospinal fluid flow defects and neuroinflammation drive idiopathic-like spinal curvature – a zebrafish school of thought   | Brian Ciruna              |
| 1300-1400   | Lunch   |                           |

# Programme Thursday 20<sup>th</sup> June, 2019

| Time      | Session  | Speaker                          |
|-----------|--|----------------------------------|
| 1400-1530 | Session 3, Moderators: Peter Millner and Brian Ciruna  |                                  |
| 1400-1405 | A novel method to capture the sagittal profile in spinal deformities: the reliability and feasibility of three-dimensional ultrasound imaging  | Timothy Tin-Yan Lee              |
| 1405-1410 | An evidence-based account of the use of ultrasound for quantitative assessment of spinal deformity in idiopathic scoliosis: a prospective study using EOS radiography as the gold standard | Jiajun Zhang                     |
| 1410-1415 | Analysis of coronal-sagittal coupling of the spine by using ultrasound on patients with adolescence idiopathic scoliosis   | Timothy Tin-Yan Lee              |
| 1415-1420 | Detection of coronal scoliotic curve profile alternation of patients with adolescent idiopathic scoliosis from upright sitting to forward bending  | Wei Wei Jiang                    |
| 1420-1425 | Respiratory function in early onset scoliosis: a narrative review  | Zachary Osman                    |
| 1425-1445 | Questions  |                                  |
| 1445-1530 | New respiratory perspectives in early onset scoliosis  | Gregory J Redding                |
| 1530-1600 | Afternoon coffee   |                                  |
| 1600-1730 | Session 4, Moderators: Andrew Clarke and Michael Hutton  |                                  |
| 1600-1630 | Debate: Is apical control fundamental to the successful outcome of early onset scoliosis<br>For - Amer Samdani<br>Against - Patrick J Kiely  | Patrick J Kiely and Amer Samdani |
| 1630-1645 | Stapling: what did we learn?   | James O Sanders                  |
| 1645-1715 | Tangled - personal overview of anterior vertebral body tethering   | Amer Samdani                     |
| 1715-1730 | Any questions  |                                  |
|           | Posters  |                                  |



# Programme Friday 21<sup>st</sup> June, 2019

| Time        | Session  | Speaker                    |
|-------------|--|----------------------------|
| 0800-0900   | Registration - tea and coffee  |                            |
| 0900-1100   | Session 5, Moderators: Richard Gross and Jennifer Sargent  |                            |
| 0900-0920   | Scoliosis Priority Setting Partnership   | Jeremy Fairbank            |
| 0920-0925   | Larger curve magnitudes (>70 degrees) in adolescent idiopathic scoliosis are associated with significantly higher cost of surgical treatment and a delayed return to function                    | Patrick J Kiely            |
| 0925-0930   | Prevention of neural complications in the surgical treatment of scoliosis and neurophysiological intraoperative monitoring   | Tiziana Greggi             |
| 0930-0935   | Philosophy and strategy in the surgical treatment of adolescent idiopathic scoliosis   | PierPaolo Mura             |
| 0935-0940   | Law of diminishing return in neuromuscular early onset scoliosis treated with a rib to pelvis-based distraction device   | Norman Ramirez             |
| 0940-1000   | Questions  |                            |
| 1000-1030   | Avon Longitudinal Study of Parents and Children (Alspac) - latest insights   | Emma Clark                 |
| 1030-1100   | Which radiological parameters count for the best functional outcomes in scoliosis?   | James Sanders              |
| 1100-1130   | Morning coffee   |                            |
| 1130 - 1315 | Session 6, Moderators: Jennifer Sargent & Andrew Clarke  |                            |
| 1130-1135   | Dietary habits have no relationship with adolescent idiopathic scoliosis: analysis of quantitative data for dietary intakes  | Kota Watanabe              |
| 1135-1140   | Efficacy of thoracic expansion devices and spinal corrective procedures in the treatment of congenital scoliosis   | Nikita Khusainov           |
| 1140-1145   | Preventing scoliosis: early signs at the prediagnosis stage  | Angelika Koukianakis       |
| 1145-1150   | A temporary costo-pelvic distractor for intra-operative spinal deformity reduction facilitated scoliosis correction surgery in severe deformity  | Patrick J Kiely            |
| 1150-1215   | Questions  |                            |
| 1215-1245   | Debate: Braid versus bolt - is there enough evidence for vertebral body tethering in the definitive treatment of adolescent idiopathic scoliosis?<br>Against - Ashley Cole<br>For - Amer Samdani | Ashley Cole V Amer Samdani |
| 1245-1315   | Bracing  | Ashley Cole                |
| 1315-1415   | Lunch  |                            |



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