

19th September 2019

Registration open

7:30AM - 5:00PM

Welcome and Introduction

8:00AM - 8:05AM Meeting Room C4.8

Chair: Ashish Diwan

Session 1: Clinical Outcomes

8:05AM - 9:20AM Meeting Room C4.8

Chair: Ashish Diwan

8:05 AM **Paul Hodges**

Lumbar Pain: Conceptual framework for developing management principles *abs# 1*

8:30 AM **Saeed Kohan**

Recurrent Lumbar Disc Herniation *abs# 2*

8:45 AM **Adriane Lewin**

Rates, costs and outcomes of spine surgery in a Workers' Compensation cohort, 2010-2015 *abs# 3*

9:00 AM **Benjamin T Brown**

Bracing treatment for adults with scoliosis *abs# 4*

9:10 AM **Hazel Jenkins**

Effectiveness of treatments to decrease thoracic hyperkyphosis: a systematic literature review and meta-analysis *abs# 5*

Morning Tea

9:20AM - 9:50AM Meeting Room C4.9 + C4.10

Session 2: Molecular Therapies

9:50AM - 11:20AM Meeting Room C4.8

Chair: Ashish Diwan

9:50 AM **Georgina Hold**

The Human Microbiota - What Is It - How May It Be Related To Back Pain? *abs# 6*

10:15 AM **Christian Girgis**

Vitamin D and the Spine: Could the "Sunshine Hormone" alter spinal disc disease and improve back pain? *abs# 7*

10:30 AM **Vivian Tam**

The proteomic landscape of young and aged lumbar intervertebral disc *abs# 8*

10:45 AM **Abhirup Das**

Role of Sirtuins and Nicotinamide Adenine Dinucleotide (NAD+) in spine health and back pain *abs# 9*

Session 3: Free Paper Session

11:30AM - 12:25PM Meeting Room C4.8

Chair: Ashish Diwan

11:30 AM **Mark Hancock**

Prevention of low back pain *abs# 11*

11:55 AM **Trish Schlotfeldt**

A triage physiotherapist can improve efficiency and quality of care for patients with spinal pain referred to ambulatory care surgical clinics at Royal North Shore Hospital *abs# 12*

12:05 PM **Ross Partington**

A dissection investigation of human lumbar spine zygapophyseal (facet) joint meniscoids *abs# 13*

12:15 PM **Jo Gamble**

MIC-1/GDF15 overexpression is associated with increased functional recovery in traumatic spinal cord injury. *abs# 14*

Lunch and Posters

12:25PM - 1:45PM Meeting Room C4.9 + C4.10

David B Anderson

What walking tests should be used for patients with neurogenic claudication *abs# 25*

Lingxiao Chen

Comparative Efficacy and Safety of Conservative Care for Pregnancy-related Low Back Pain: A Systematic Review and Network Meta-analysis *abs# 26*

Xiaolong Chen

Complication rates of different discectomy techniques for the treatment of lumbar disc herniation *abs# 27*

Mitchell Gibbs

'Buy-in' for back pain, does individualisation matter? *abs# 28*

Mitchell Gibbs

What are the attitudes and beliefs of exercise-based practitioners toward chronic low back pain in Australia? *abs# 29*

Sara SK Kim

Radiological evaluation of cervical spine degeneration from cord signal changes *abs# 30*

Vivek A.S Ramakrishna

A biomechanical comparison of two common patterns of lytic spondylolisthesis *abs# 31*

Kyle A Sheldrick

Decay Variance - A new MRI technique for Diagnosing Disc Degeneration *abs# 32*

Jose Vargas

Revisiting the Paraspinal approach: anatomic description of a novel structure to gain access to far-lateral disc herniations *abs# 33*

Joshua R Zadro

Are physiotherapists choosing wisely? A systematic review of physiotherapy treatment choices for low back pain *abs# 34*

Teng Zhang

Computational analysis on the influence of facet tropism in fixation strategies and implants selection for spinal reconstructive surgery *abs# 35*

Haowen Cui

The effect of GDF6 in reducing intervertebral disc degeneration and inflammation-related pain in a rat model *abs# 36*

Session 4: Osteoporosis

1:45PM - 3:00PM Meeting Room C4.8

Chair: Ashish Diwan

1:45 PM **James Mcauley**

Using evidence to improve management of acute low back pain *abs# 15*

2:00 PM **Christopher White**

OP and Back Pain - drugs that a GP should know and Drugs a Surgeon Should Learn about *abs# 16*

2:15 PM **william clark**

Vertebroplasty for severely painful acute vertebral fractures *abs# 17*

2:30 PM **Ali Ghahreman**

When a surgeon touches and feels soft bone - My strategies with Cement and Screws *abs# 18*

2:45 PM **Michelle McDonald**

Osteoporosis - Basics and *in vivo* imaging of the bone chewers *abs# 19*

Afternoon Tea

3:00PM - 3:25PM Meeting Room C4.9 + C4.10

Session 5: New Devices and Clinical Trial Updates

3:25PM - 4:45PM Meeting Room C4.8

Chair: Ashish Diwan

3:25 PM **Hala Zreiqat AM**

Novel Highly Bioactive 3D Printed Ceramic Scaffolds for Bone Regeneration *abs# 20*

3:45 PM **Ralph Stanford**

Surgery for Spinal Stenosis (SUcceSS) – progress report *abs# 21*

4:05 PM **Ashish Diwan**

The AUDI Trial Update *abs# 22*

4:25 PM **Helena Brisby**

Disc degeneration- normal aging/pathological changes? *abs# 23*

Poster Awards and Closing Remarks

4:45PM - 4:55PM Meeting Room C4.8