



# **2018 ISSLS Clinical Travelling Fellowship**

The International Society for the Study of the Lumbar Spine



Xiaolong Chen, Ashish D. Diwan<sup>1</sup>, Yong Hai<sup>2</sup> <sup>1</sup>Chief, Spine Service, St George Hospital, UNSW <sup>2</sup>Chief, Orthopaedics department, Beijing Chaoyang Hospital, CMU

## Acknowledgement

- First of all, I would like to express my gratitude to Seoul Chuk Hospital for funding the ISSLS Clinical Travelling Fellowship
- Thanks Dr Ashish Diwan for inviting me to visit his group at the University of New South Wales
- Thanks ISSLS for providing me Travelling Fellowship Grant
- Thanks Dr Yong Hai from China for supporting me to study



- From Beijing (China) to Sydney (Australia)
  - > 2<sup>nd</sup> July, 2018 to 5<sup>th</sup> August 2018
- I followed Dr. Ashish Diwan study in
  - St George Public Hospital
  - St George Private Hospital
  - Biomechanical Lab



### Weekly Schedule

	AM	PM
Monday	07:00 – Trauma meeting/Combined Nero- Ortho Meeting Week1-3 Outpatient Clinic Week 4 – OR (Public)	Week 1-3 Outpatient Clinic Week 4 – OR (Public)
Tuesday	OR (Private)	OR (Private)
Wednesday	Week 3-4 Outpatient Clinic Week 1 – OR (Private)	Week 2- Outpatient Clinic Week 3-4 – Spinal Injections Week 1 OR (Private)
Thursday	07:30 am – Grand Rounds Outpatient Clinic	01:30 pm Onwards Research Meeting and Lab Time
Friday	Biomechanical Lab	Biomechanical Lab

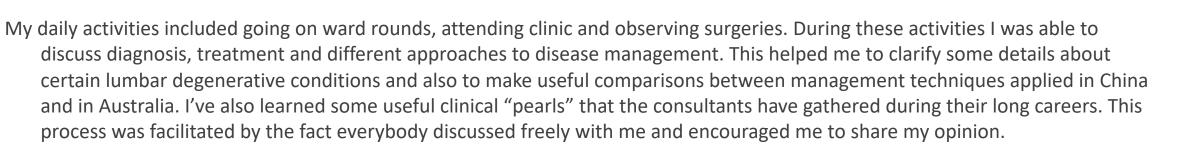
• Before I went to Australia, Dr Diwan had made a schedule following my requirement.

• I plan to use these four weeks to learn more about lateral lumbar fusion surgeries.



## **Clinical Part**

- Outpatient Clinic:
  - Monday and Wednesday
  - > 20-30 Patients
  - > Lumbar degenerative disease, cervical myelopathy, spine deformity
  - Epidural steroid injection and facet injection (Wednesday afternoon)
- Surgery:
  - Microdiscectomy
  - Transforaminal lumbar interbody fusion
  - > Lateral lumbar interbody fusion (More interested to me)
  - Anterior cervical decompression
  - Cervical disc displacement









#### **Clinic Part**

- <u>Study:</u>
  - > Orthopaedics and neurological department: Monday and Thursday morning grand round (7:30am<sup>~</sup>)
  - Spine Service: Case discussion (last Monday each month, 7:00~)
  - Statistical course
    - □ Network meta-analysis (Submitted to European Spine Journal)
    - Meta-analysis
- Local symposia:
  - Sydney Spinal Symposium 2018 --- oral presentation





Every Monday and Thursday morning I attended the grand round of orthopaedics and neurological department. Every Thursday afternoon I attended the research meeting of Spine Service team. I followed the research team to do some clinical and biomechanical research. After surgeries, I attended the statistical course and finished one network meta-analysis which had submitted to the European Spine Journal. I was invited to present at Sydney spinal symposium and discussed with some surgeons, physiotherapist, laboratorian.





#### Research

- <u>St George Hospital:</u> Wednesday (12:00-13:00)
- Spine Service:
  - (1) Thursday afternoon research meeting (1:30pm ~)
  - (2) I attended three collaboration studies
    - Prof. Morgan Giers, Oregon State University, Russia: Multicenter testing of a predictive calculator of the likelihood of herniation recurrence after microdiscectomy: A retrospective analysis. I measured the radiological data.
    - Prof. Paul Hodges, the University of Queensland, Australia: molecular changes in lumbar multifidus muscle following microdiscectomy for lumbar disc herniation
    - Dr. Harold Fogel, Harvard Medical University, USA: I designed an online survey "Variations in Primary Discectomy and Revision Surgery for Lumbar Disc Herniations: An Online Survey of Neuro- and Spine Surgeons in Australia, New Zealand, and the US".
      - If you are Spine Surgeon or Neurosurgeon And working in Australia, New Zealand or USA, please help me scan the QR code and finish online survey. Thank you!
    - UNSW to develop new techniques





## Life

- Dinner with spine surgeons and neurosurgeons
- Dinner with spine service group
- Sydney
  - Harbor bridge
  - Opera house
  - Bondi beach
  - Darling harbor

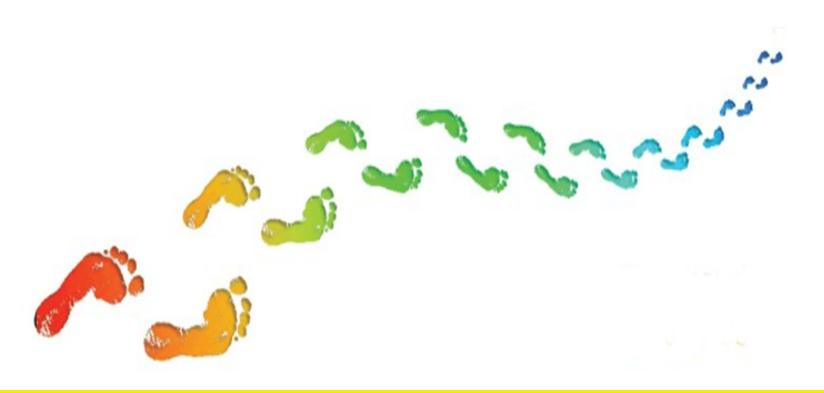


As the travelling fellows lived and travelled together for the duration of the fellowship, close friendships were formed, even between neurosurgeons and orthopaedic surgeons! This has allowed the fellows to develop personal and professional networks that will be valuable for the future. The involvement of regional spinal network groups in the discussions was an excellent source of education and benefitted all involved.



## **Travelling fellowship**

- Gain
  - > Knowledge
  - ➢ Skill: LLIF
  - > New technique: Navigation, nucleus arthroplasty replaces
  - ➢ Research: from clinical problem
  - Collaboration
  - > Team work
- Future
  - For me continue studying
    What can I do?
    What I do not yet?
    What do I want to do?





## Thank You! ありがとう!

• Spine Service, UNSW (Australia)

Uphar Chamoli, PhD Wentian Li, MD Kyle A Sheldrick, MD Vivk Ramakrishna, MD Ji Tu, MD

• Thanks Prof. Ashish Diwan from Australia and Prof. Yong Hai from China for helping.







• Thanks ISSLS and Seoul Chuk Hospital for providing me Travelling Fellowship Grant.

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