

出國報告（出國類別：國際會議）

## 2017 亞太頸椎醫學會議心得報告

服務機關：台中榮民總醫院

姓名職稱：鄒錫凱 科主任

派赴國家：埃及

出國期間：106/11/7~106/11/12

報告日期：106/12/27

## 摘要

出國人員鄒錫凱受 2017 亞太頸椎醫學會議大會邀請以 Taichung Veterans General Hospital, Taiwan 代表身分進行演講: [布萊恩頸椎椎間盤置換術後創傷性鬆動導致的金屬病變 - 病例報告和文獻回顧]，會後並與參會人員進行交流。

關鍵字：Cervical disc arthroplasty, Bryan Disc, metallosis, metalloma.

## 目次

### 一、目的

透過參與國際會議發表病例報告，提升亞太地區頸椎手術學術能量。

### 二、過程

會議進行期間區分為不同主題進行熱烈討論與交換意見，每天早上和下午都各有數場平行的口頭報告議程讓與會者自由選擇參加自己感興趣的主題。會議期間各類主題歸納如下：

Day-I: Wednesday November 8th, 2017

9.40-10.00 AM Welcome Speech

Mohamed El-Meshtawy, MD, ESA President

Ali Abou-Madawi, MD, APCSS President

10.00-11.40AM: Plenary Session-I: Cervical Degenerative

Moderator: Young-Baeg Kim MD, Nasir Quraishi MD, Nabil Mansour MD

本人即在此會議時段以 Taichung Veterans General Hospital, Taiwan 代表身分進行發表論文演說，題目為 [Metallosis after traumatic loosening of Bryan cervical disc arthroplasty – a case report and literature review]



會議過程中亦遇見同為亞太頸椎醫學會理事高振興醫師，對於同為台灣醫師能在亞太會議中發表學術論文互相砥礪同感振奮。



12.00-1.00 PM: Plenary Session-II: Techniques

Moderator: Woo-Kyung Kim MD, Frank Bloemer MD, Hesham El-Saghir MD

2.00-3.40PM: Session-III-A: Cervical Degenerative/ Lumbar Degenerative

Moderator: Abdel Mohsen Arafa MD, Se-Hoon Kim MD, Wael Koptan MD.

2.00-3.40PM: Session-III-B: Miscellaneous

Moderator: Moetaz E-Sabroot- Mohamed Khattab MD, Hyun-Chul Shin MD.

4.00-5.30PM: Session-IV-A: Cervical Degenerative

Moderator: M Abdel Wanis MD, Mohamed Sawan MD, Mazen Fakhry MD.

4.00-5.40PM: Session-IV-B: Infection / Degenerative cervical

Moderator: Mohamed Gamal MD, Yasser Orz MD, Tao Fan MD.

Day-II: Thursday November 9th, 2017

9.00-11.00PM: Plenary Session-V: Spinal Trauma

Moderator: Mohamed El-Meshtawy MD, Koang-Hum Bak MD, Amgad Mattar

11.20-1.00PM: Plenary Session VI: Spinal Tumors

Moderator: Esam El-Sherif MD, Mehmet Zileli, MD, Mohamed Wafa MD.

2.00-3.40PM: Session VII-A: Upper Cervical

Moderator: Seong Yi MD, Guirish Solanki MD, Ahmed Badrawy MD.

2.00-3.40PM: Session VII-B: EUROSPINE Research Symposium

Moderator: Rachid Salmi MD, Ahmed Shawky MD.

4.00-5.40 PM: Session VIII-A: AOSPINE Symposium: Dilemma of Failed Back Syndrome (FBSS)

Chairperson: Mohamed El-Meshtawy

Day-III: Friday November 10th, 2017

9.00-10.20AM: Plenary Session IX: Tumors

Moderator: Yasser El-Banna MD- Hosam Salah MD, Husein Abul-Ghait MD

10.40-12.00 PM: Plenary Session X: Deformity

Moderator: Ahmed Hasan MD, Emad Ghanem MD, Mohamed Alsofy MD.

2.00-4.10 PM: Session XI-B: Trauma

Moderator: Ali Seif MD, Hasan M Ali MD, Omar Hamad MD.

2.00-3:40 PM: Session XI-A: Lumbar Degenerative

Moderator: Yasser Allam MD, Hasan Abdel Salam MD, Hedaya Hendam MD, Ahmed Yehia MD.

4:10- 4:20 PM: BRA (Best Research Award) declaration

4:20- 4:30 PM: Closing Ceremony: Ali Abou-Madawi, Mohamed El-Meshtawy

Poster Presentation Session XII



大會議程中，眾多場次的講演不乏值得學習之主題。然因平行議程之故，只能做出取捨選擇出席感到興趣的場次。

### 三、心得

自 2007 年以來，亞太頸椎會議已經成為亞太地區所有成員國參加的頗具聲望的會議。經過數天緊湊與精采的專題演講與海報展示觀摩之後，對於亞太各地專家學者致力於頸椎手術發展與心得紛紛提出精闢建議，感到自我學習成長的必要性。感謝醫院能夠核准協助報告人公假出國，方有機會與國際人才交流分享報告研究，並學習吸收最新資訊，相信在往後的臨床與學術應用上，必能夠更加精進。

### 四、建議事項（包括改進作法）

感謝單位長官支持，核准報告人公假出國參與會議。期望單位長官持續培養後進，為中榮培養更多傑出人才。

演講內容摘要

**Metallosis after traumatic loosening of Bryan cervical disc arthroplasty: a case report and literature review**

Abstract

**Purpose:** Cervical disc arthroplasty has been a popular alternative to traditional arthrodesis treatment for maintaining postoperative cervical spine mobility. However, certain adverse reactions to cervical disc arthroplasty have emerged during the last few decades.

**Methods:** Metallosis or metalloma is a rarely reported complication after spinal fusion or spinal arthroplasty surgery. We report on the first metallosis case occurring in a patient who received Bryan Disc implantation approximately 8 years earlier. She was involved in a traffic accident and sustained a whiplash injury to the cervical spine one and a half years ago. The traumatic Bryan Disc loosening developed after the traffic accident, causing metallosis.

**Results:** To the best of our knowledge, this is the first reported case of spinal metallosis caused by the Bryan Disc. A series of metallosis cases reported in the literature are also reviewed.

**Conclusions:** Although uncommon, intraspinal metallosis or metalloma should be considered as an infrequent cause of delayed neurological symptoms after spinal surgery involving metallic instrumentation, especially after disc arthroplasty. Once metallosis is suspected, immediate metallic implant removal is mandatory for definite diagnosis and treatment.

**Key word:** Cervical disc arthroplasty, Bryan Disc, metallosis, metalloma.