

**出國報告 ( 出國類別：國際會議 )**

**2018 亞太骨骼肌肉腫瘤醫學會年會**

(Asia Pacific Musculoskeletal Tumour Society,  
2018)

**服務機關：臺北榮民總醫院骨科部關節重建科**

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**派赴國家：印度 齋浦爾**

**出國期間：2018/10/04 -2018/10/08**

**報告日期：2018/10/31**

## 摘要（含關鍵字）

在印度齋浦爾舉行的亞太骨腫瘤會議（APMSTS），是兩年舉辦一次的骨腫瘤會議，每次的會議亞太各國的骨腫瘤專家都會齊聚一堂，並且針對骨骼肌肉腫瘤最新的手術方式、診斷技術的改進、化學治療的演變、與分子標的研究等相關議題進行演講與討論。因為參與各國菁英愈來愈多，最近幾次的年會也都會吸引亞太以外的專家與會，包括美國、加拿大、歐洲的英、法、德國以及義大利的專家。而台灣，今年只有榮總的骨骼肌肉腫瘤治療及研究團隊與會，本院陳威明副院長也以腫瘤專家的身份帶領大會進行困難案例治療討論，充分展現我們團隊在骨腫瘤治療的實力。在研究結果發表方面，本院骨腫瘤治療暨研究中心主任吳博貴醫師發表研究口頭報告二篇，本人也有一篇的口頭論文報告，另外本院訓練出去，目前在成大醫院服務的翁閱楷醫師也有一篇口頭論文報告。另外，我們團隊今年也有二篇海報論文發表，成績優秀亮眼。本人今年的口頭報告，很榮幸的被大會評定為優秀論文發表，在大會閉幕時接受大會主席公開表揚。

在學會的理監事會議上，本院吳博貴主任獲大會邀請，成為台灣的另一位理事代表。本院陳威明副院長也在理監事會議上正式通過各國理事投票，將於 2020 年接任亞太骨骼肌肉腫瘤醫學會的理事長，並且籌劃 2022 年在台灣舉辦的亞太骨腫瘤會議。此乃台灣第一次申辦亞太的骨腫瘤醫學會年會，希望可以借由此一機會，把我們在這個領域的傑出表現，讓世界各國的專家知道，並且為台灣骨腫瘤的研究與醫療進度儘一份心力。

關鍵字：APMSTS，Cancer therapy，骨肉瘤

## 目次

### 一、目的

為增加在骨腫瘤研究領域上的新知，與各國學者交流，並提讓各國專家知道我們最近幾年在此領域的傑出表現和進步，提高團隊在國際間的知名度，因此本人投稿並且發表共一篇口頭論文，一篇海報論文。希望介由這次的會議，與各國專家進行交流，宣揚台灣骨腫瘤治療的傑出成果。

### 二、過程

10/04

搭乘飛機在香港、德里轉機前往齋浦爾，於當地時間 10/04 的晚上 9:00 到達會場。

10/05

早上前往會場，上半年參與會議，本院骨腫瘤中心吳博貴主任發表口頭論文報告（講題：Comparison of the activity preservation for bone morphogenetic protein-2 between ECIR- and freezing-treated autografts used for biological reconstruction），下半年參與主辦單位安排的市區旅遊。

10/06

本院骨腫瘤中心吳博貴主任代表北榮骨腫瘤治療團隊發表篇口頭論文報告（講題：Comparative study between allograft and recycled autografts for biological reconstruction of high-grade osteosarcoma），成大翁閔楷醫師也發表本院的臨床治療成效（講題：Local recurrence in biological reconstruction of high-grade osteosarcoma: Is re-limb salvage safe?），本人也隨後發表一篇基礎結合臨床的口頭論文研究報告（講題：Safety and efficacy validation of patella cryo-free method during recycled frozen autograft procedure for proximal tibia malignant bone tumors）。今日本院發表許多和生物性重建骨腫瘤的治療方式和結果，獲得國內外許多專家的高度肯定。晚上參加大會舉辦的 Gala dinner，我們特別準備具有台灣風情的表演，和各國專家同樂。

10/07

今日陳威明副院長也以腫瘤專家的身份帶領大會進行困難案例治療討論，充分展現我們團隊在骨腫瘤治療的實力。

此外，早上的理監事會議，本院骨腫瘤中心吳博貴主任獲大會專家通國，成為另一位台灣的理事代表。另外本院陳威明副院長也在理監事會議上正式通過各國理事投票，將於 2020 年接任亞太骨骼肌肉腫瘤醫學會的理事長，並且籌劃 2022 年在台灣舉辦的亞太骨腫瘤會議。此乃台灣第一次申辦亞太的骨腫瘤醫學會年會，將會把我們醫院在骨腫瘤生物性重建的領先技術推廣到世界上其他地方。

最後，在大會的閉幕典禮上，本人很榮幸的獲得各國專家的肯定，研究結果被大會評定為優秀論文發表，在大會閉幕時接受大會主席公開表揚，為台灣跟榮總增光。

晚間 21:30，搭機返回台灣。

10/08

早上 11:50 返抵國門。



### 三、心得

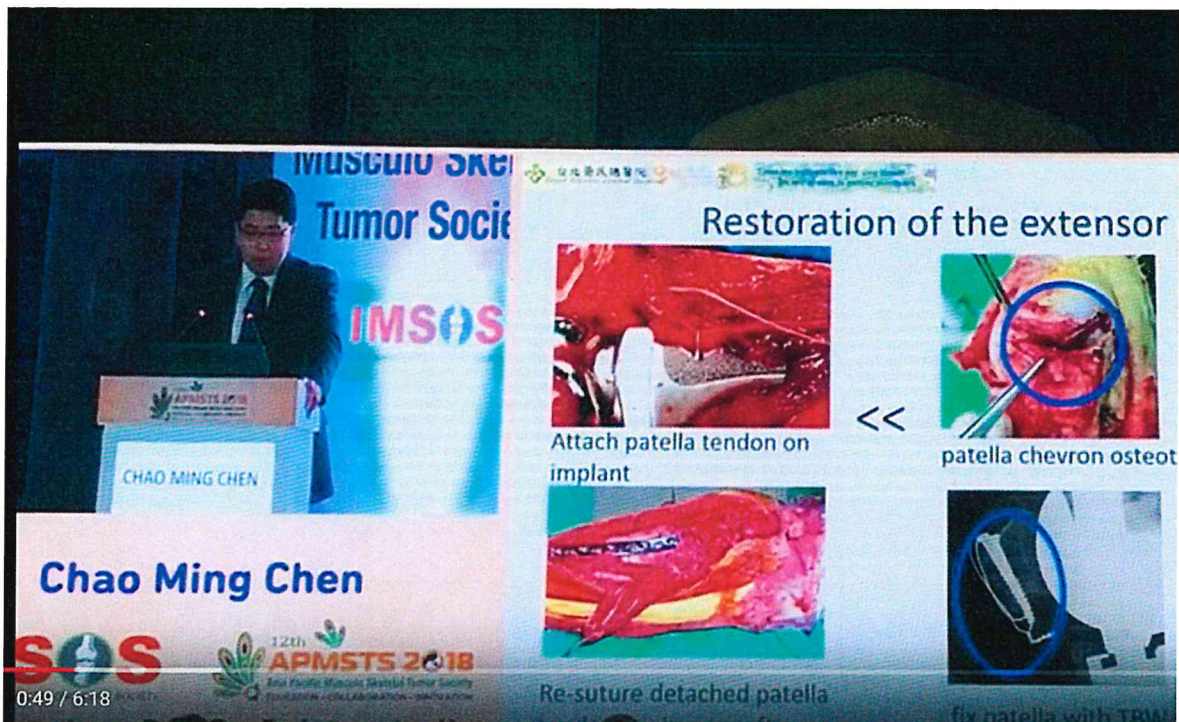
於 10/04 早上搭機前往會議的地點，飛行時間足有 15 個小時，到達當地時間已是晚上，一到旅館 check-in 已經是晚上快 11 點了，睡覺前特別把這次大會的重要題目的 abstract 先行 preview，點出有創新性的題目，以利往後 3 天可以在有限的時間內得到最新的資訊。

會場就在旅館內，10/05 一早開始就直接前往會場，在註冊完成後馬上和各國的會員進行寒暄。一整天的時間進行了 5 個 session，包含午餐時段的 special talk，下午的市區旅遊，發現印度的發展遠遠落後台灣，街上髒亂不堪，讓我們珍惜台灣善良進步的風土人情。10/6 的報告完畢之後，整個人輕鬆不少，可以用比較從容的心情去仔細聆聽更國專家學者的報告。晚上的 Gala dinner 我們和各國專家盡情同樂，做好許多個人的國民外交。10/7 早上的理監事會議是此行的重頭戲，威明副院長拿下 2022 年的 APMSTS 主辦權，讓我們團隊又有在國際上揚眉吐氣的機會。

其實最近幾年的參加國際議會經驗，發現世界上許多老一輩的專家已經沒有往日的衝勁，許多題目和經驗都是在過去的會議上聽過的老論點，不像我們團隊，每年出國開會都是拿新的東西來報告，很少用舊的資料來重複報告，從這一點就可以知道我們的團隊每年都很在威明副院長的帶領之下努力的在往前衝，才会有如此豐碩的研究成果。這次本人的研究能夠獲得各國專家的肯定，真的讓我倍感光榮，我希望以後的大會，還可以有更好的機會提出更新更棒的研究成果，讓台灣的骨腫瘤治療繼續在國際上發光發熱。

### 四、建議事項

印度和台灣相比，相對比較落後。但是如此落後的地區仍然可以在骨腫瘤的研究和治療上有一定的國際地位，就可以知道他們國家在這方面投注許多精力和資源，這和我們台灣相比，他們或許比我們還要幸運。我們台灣醫師在現有的健保制度下被不斷限縮研究資源，在繁忙的臨床業務之虞，還要另外投注時間、自行籌措研究經費來進行研究，常常讓我們有蠟燭兩頭燒的無力感。希望這院內長官替我們大力爭取更多的人力來進行更多的基礎研究，把我們的臨床資源和經驗獲得最好的發揮，讓台灣在骨腫瘤的治療在國際上持續發揮影響力。





## PROGRAM

FRIDAY 05 OCTOBER

TIME	TOPIC
<b>SESSION 1</b>	
09:00 - 09:50	The case that taught me the most
	Chairpersons: Bhavin Jankharia, Richard Rotor Speakers:
09:00 - 09:10	Wan Faisham Numan
09:10 - 09:20	Harzem Ozger
09:20 - 09:30	Walid Ebeid
09:30 - 09:40	Yang-Guk Chung
09:40 - 09:50	Questions
<b>SESSION 2</b>	
09:55 - 10:25	Guest lecture – “Metastatic osteosarcoma: Diagnosis, treatment and outcome”!
	Chairpersons: Girish Chinaswamy, Andreas Leithner, Sameer Rastogi
	Speaker: Stefan Bielack
<b>SESSION 3</b>	
10:25 - 11:00	“Experience; the best teacher : Things I do differently now – compared to earlier !”
	Chairpersons: Radha Raman Saggarr, Ferdiansyah Mahyudin Speaker:
10:25 - 10:35	Dundar Sabah
10:35 - 10:45	Robert Grimer
10:45 - 10:55	Peter Steadmann
10:55 - 11:00	Questions
11.00 - 11.20	<b>TEA BREAK</b>
<b>SESSION 4</b>	
11:20 - 12:40	Free Paper Session
	Chairpersons: Ilkyu Han, Yogesh Panchwagh
11:20 - 11:26	DBC1/CCAR2 is involved in the stabilization of androgen receptor and the progression of osteosarcoma Speaker: Jung Ryul Kim
11:26 - 11:32	CEP55 promotes the proliferation and invasion of tumor cell via the AKT signaling pathway in osteosarcoma Speaker: Shoufeng Wang
11:32 - 11:38	Is Vitamin D deficiency behind the scenes for high incidence of Giant Cell Tumor amongst the Indian population? Speaker: Manit Gundavda
11:38 - 11:44	SMARCB1, LZTR1 and MSH6 Germline variants in Sporadic cases of Schwannomatosis Speaker: MinWook Joo
11:44 - 11:50	Comparison of the activity preservation for bone morphogenetic protein-2 between ECIR- and freezing-treated autografts used for biological reconstruction - Speaker: Pokuei Wu
11:50 - 11:55	Questions
11:55 - 12:01	The production of vancomycin tricalcium phosphate cement and a study on its biomechanical and antimicrobial properties - Speaker: Vivek Ajit Singh
12:01 - 12:07	Anatomical Location of Viable Tumor Cells before Definitive Surgery: A New Parameter with High Prognostic Performance in Osteosarcoma - Speaker: Seung Hyun Kim
12:07 - 12:13	Apatinib for Advanced Osteosarcoma after Failure of Standard Multimodal Therapy: An open label Phase 2 clinical trial - Speaker: Lu Xie
12:13 - 12:19	Survey of practice preference of antibiotic prophylaxis in sarcoma resections and major reconstructions amongst sarcoma surgeons. - Speaker: Yogesh Panchwagh
12:19 - 12:25	The cause and effect on delaying treatment for malignant soft tissue tumors Speaker: Yoshihiro Araki
12:25 - 12:31	Percutaneous sclerosant therapy for primary aneurysmal bone cysts – our experience Speaker: Prateek Hegde
12:31 - 12:40	Questions
<b>SESSION 5</b>	
12:45 - 01:45	Benign Tumors - Interactive case based discussion
	Moderator: Ashish Gulia
	Panellists: Apichat Asavamongkolkul, Toshifumi Ozaki, Robert Grimer
01:45 - 02:30	<b>LUNCH BREAK</b>
<b>LUNCH SYMPOSIUM BY SMITH &amp; NEPHEW (FIRST FLOOR)</b>	
02:30 - 08:00	<b>HALF DAY JAIPUR CITY TOUR</b>



## PROGRAM

SATURDAY 06 OCTOBER

TIME	TOPIC
07:30 - 08:15	<b>Meet the Professor</b>
	<b>Pelvic Tumors</b> : Peter Choong, Xiaohui Niu, Lee Jeys
	<b>Complications in Limb Salvage</b> : Peter Steadman, Robert Grimer, Edward Wang
	<b>Dilemmas in Adjuvant therapy for Sarcomas</b> : Stefan Bielack, Robin Jones, S. Laskar, K Sankhla
<b>SESSION 6</b>	
08:30 - 09:40	<b>Free Paper Session</b>
	<b>Chairpersons:</b> Subin Sugath, Gerard Powell, Zile Singh Kundu
08:30 - 08:36	<b>Comparative study between allograft and recycled autografts for biological reconstruction of high-grade Osteosarcoma</b> - <b>Speaker:</b> Pokuei Wu
08:36 - 08:42	<b>Comparison between non vascularized fibular graft and bone cement in augmenting sterilized tumour bone after Extra Corporeal Radiotherapy</b> - <b>Speaker:</b> Subin Sugath
08:42 - 08:48	<b>Sytenko Institution Historical Review of Allograft Reconstructions</b> <b>Speaker:</b> Oleg Vyrva
08:48 - 08:54	<b>Revitalization of clinically implanted frozen auto graft</b> <b>Speaker:</b> Norio Yamamoto
08:54 - 09:00	<b>Outcome Following Pasteurized Bone Autograft (PBA) for Treatment of Primary Malignant Bone Tumors</b> <b>Speaker:</b> Pia Kiatisevi
09:00 - 09:05	Questions
09:05 - 09:11	<b>How Would You Prefer Your Intra-epiphyseal Resection: "Orange Peel or Biscuit"?</b> <b>Speaker:</b> Harzem Ozger
09:11 - 09:17	<b>Local recurrence in biological reconstruction of high-grade osteosarcoma: Is re-limb salvage safe?</b> <b>Speaker:</b> Hungkai Weng
09:17 - 09:23	<b>Epiphysis growth after epiphyseal-preservation surgery for childhood osteosarcoma around the knee joint</b> <b>Speaker:</b> Akihiko Takeuchi
09:23 - 09:29	<b>Safety and Efficacy Validation of Patella Cryo-free Method during Recycled Frozen Autograft Procedure for Proximal Tibia Malignant Bone Tumors</b> - <b>Speaker:</b> Chao Ming Chen
09:29 - 09:35	<b>Functional Outcome in Sacral Tumors with No Reconstruction following Excision</b> <b>Speaker:</b> Shah Alam Khan
09:35 - 09:40	Questions
<b>SESSION 7</b>	
09:45 - 10:35	<b>The case that taught me the most</b>
	<b>Chairpersons:</b> N Yamamoto, D Puthoor <b>Speakers:</b>
09:45 - 09:55	P Papagelopoulos
09:55 - 10:05	Vivek Ajit Singh
10:05 - 10:15	Mayil Natrajan
10:15 - 10:25	Mikel San Julian
10:25 - 10:35	Questions
10:35 - 11:00	<b>TEA BREAK</b>
<b>SESSION 8</b>	
11:00 - 11:35	<b>Experience; the best teacher: Things I do differently now –compared to earlier!"</b>
	<b>Chairpersons:</b> Rafael Claudio / Shah Alam Khan <b>Speakers:</b>
11:00 - 11:10	Wei Guo
11:10 - 11:20	Robin Jones
11:20 - 11:30	Hiroyuki Tsuchiya
11:30 - 11:35	Questions
<b>SESSION 9</b>	
11:40 - 12:45	<b>Free Paper Session - How I do it !</b>
	<b>Chairpersons:</b> Cesar Dimayuga / Sishir Rastogi / Lee Jeys
11:40 - 11:45	<b>How To Secure The Stem When The Bone Is "Too Short" ?</b>
	<b>Speaker:</b> Harzem Ozger
11:45 - 11:50	<b>Temporary external fixation can facilitate postoperative physiotherapy for hip transposition arthroplasty following resection of periacetabular malignant bone tumors.</b> - <b>Speaker:</b> Toshiyuki Kunisada



## PROGRAM

SATURDAY 06 OCTOBER

TIME	TOPIC
11:50 - 11:55	How does iliosacral bone tumor resection without reconstruction affect the ipsilateral hip joint? <b>Speaker:</b> Li Hu Xu
11:55 - 12:00	P-II Resections via lateral approach. <b>Speaker:</b> Lee Jeys
12:00 - 12:05	Do we really need bony reconstruction after internal hemipelvectomy - acetabular resections? - functional results of meshplasty - <b>Speaker:</b> Mandip Shah
12:05 - 12:10	Questions
12:10 - 12:15	Use of prolene mesh to prevent instability after distal fibula resection for tumor <b>Speaker:</b> Ashwin Prajapati
12:15 - 12:20	Percutaneous curettage of large pelvic aneurysmal bone cyst using computer navigation <b>Speaker:</b> Vivek Verma
12:20 - 12:25	Use of cement- bone graft composite in patients having giant cell tumors with extensive cortical loss - The "Longitudinal Sandwich" - <b>Speaker:</b> Akshay Tiwari
12:25 - 12:30	Surgical Treatment of Aggressive Vertebral Hemangiomas with Compressive Myelopathy- Decompression with Vertebroplasty? or Total Tumor Resection? - <b>Speaker:</b> Xin Li
12:30 - 12:35	How to safely and accurately curette bone spinal/pelvic tumours <b>Speaker:</b> Jungo Imanishi
12:35 - 12:40	Function preserving surgery for radial malignant bone and soft tissue tumors with frozen autograft : a report of three cases - <b>Speaker:</b> Hirotaka Yonezawa
12:40 - 12:45	Questions
<b>SESSION 10</b>	
12:50 - 01:25	IMSOS Oration and Release of IMSOS guidelines <b>Chairpersons:</b> Ian Dickinson / Panayiotis P Papagelopoulos / Mayil Natarajan "Lessons learned from the European-American Osteosarcoma Study EURAMOS1" <b>Speaker:</b> Stefan Bielack
01:25 - 02:15	<b>LUNCH BREAK</b>
<b>LUNCH SYMPOSIUM BY IMPLANTCAST (FIRST FLOOR)</b>	
02:00 - 03:00	Soft Tissue Sarcoma - Round Table discussion - Novartis (by invitation)
<b>SESSION 11</b>	
02:15 - 03:15	<b>Free Paper Session</b> <b>Chairpersons:</b> Mark Punhidaran / Mandip Shah/ Chye Ping Ching
02:15 - 02:21	Preliminary Outcomes of Short-Stem Cemented GMRS Modular Reconstructive Prosthesis for Revisions of Lower Limb - <b>Speaker:</b> Hairong Xu
02:21 - 02:27	2-Stage Endoprosthetic Reconstruction for Bone Tumors around the Knee - A Method for a Low Middle-Income Country - <b>Speaker:</b> Edward Wang
02:27 - 02:33	Implant survival and failure mode of tumor endoprosthesis reconstruction after the lower limb tumor resection - <b>Speaker:</b> Takeshi Hirose
02:33 - 02:39	Results of a survey on current practices on staging and analysis of Chondrosarcoma <b>Speaker:</b> Srinath Gupta
02:39 - 02:45	Questions
02:45 - 02:51	One-step reconstruction of spinopelvic stability with a 3D-printed sacral endoprosthesis after total en bloc sacrectomy - <b>Speaker:</b> Wei Guo
02:51 - 02:57	Innovative reconstructions after combined sacro-pelvic resections in treatment of bone sarcoma. <b>Speaker:</b> Daniel Kotrych
02:57 - 03:03	Tibialisation of fibula after resection of primary bone tumours of tibia: indications and functional/clinical outcomes - <b>Speaker:</b> Zile Singh Kundu
03:03 - 03:09	Use of prolene mesh for reconstruction of patellar tendon in patients undergoing resection and endoprosthetic reconstruction for proximal tibia tumors - <b>Speaker:</b> Amrut Raje
03:09 - 03:15	Questions
03:15 - 03:35	<b>TEA BREAK</b>
<b>SESSION 12</b>	
03:35 - 04:35	Interactive case based discussion - Malignant Tumors <b>Moderator:</b> Prakash Nayak <b>Panelists:</b> Peter Choong / Xia Hui Niu / MG Agarwal / K Sankhla



**PROGRAM**

**SATURDAY 06 OCTOBER**

TIME	TOPIC
<b>SESSION 13</b>	
04:40 - 05:40	<b>Free Paper Session</b> Chairpersons: Ueda Takafumi /AkshayTiwari/ Anand Raja
04:40 - 04:46	<b>Oncological Outcomes Of Surgically Treated Extremity And Pelvic Chondrosarcomas</b> Speaker: Vineet Kurisunkal
04:46 - 04:52	<b>Proton beam radiotherapy for unresectable bone and soft tissue sarcoma</b> Speaker: Hirohisa Katagiri
04:52 - 04:58	<b>Risk factors for development of bone metastasis from Renal Cell Carcinoma</b> Speaker: Anand Raja
04:58 - 05:04	<b>Examination of the Spinal Seeding Cases by Metastatic Tumor</b> Speaker: Hiroto Kamoda
05:04 - 05:10	<b>Questions</b>
05:10 - 05:16	<b>Outcome of operative stabilization for metastatic pathological diaphyseal femoral fracture, A Thai musculoskeletal tumor society study - Speaker: Chindanai Hongsaprabhas</b>
05:16 - 05:22	<b>Conventional hip hemiarthroplasty for metastases to the proximal femur</b> Speaker: Ilkyu Han
05:22 - 05:28	<b>Endoprosthesis reconstruction for metastatic bone disease of the proximal femur: Intentional intralesional procedure - Speaker: Santoshi Tsukushi</b>
05:28 - 05:34	<b>Changing Odds of Survival over Time among Patients Undergoing Surgical Resection of Extremity Soft Tissue Sarcoma - Speaker: Yongsung Kim</b>
05:34 - 05:40	<b>Questions</b>
05:45 - 06:30	<b>IMSOS GBM (ONLY FOR IMSOS MEMBERS)</b>
07:30 PM Onwards	<b>GALA DINNER</b>

## PROGRAM

SUNDAY 07 OCTOBER

TIME	TOPIC
<b>SESSION 14</b>	
09:00 - 10:00	Free Paper Session Chairpersons: S Laskar/ Pia Kiatischevi / Tushar Vora
09:00 - 09:06	Is the local recurrence rate different for intra-articular and extra-articular resection of osteosarcoma in distal femur? - <b>Speaker:</b> Zhiping Deng
09:06 - 09:12	Influence of venous tumor thrombus on the prognosis of pelvic osteosarcoma <b>Speaker:</b> Wei Guo
09:12 - 09:18	Efficacy of tranexamic acid to reduce perioperative blood loss and blood transfusion in patients undergoing primary malignant musculoskeletal tumor surgery - <b>Speaker:</b> Nuttara Wiboonthanasarn
09:18 - 09:24	Long-term clinical outcomes of 105 patients with diffuse-type tenosynovial giant cell tumor: The East Asia Musculo-skeletal Oncology Group (EAMOG) study - <b>Speaker:</b> Akihiko Takeuchi
09:24 - 09:30	Questions
09:30 - 09:36	Influence of unplanned excisions on overall-survival in patients with soft tissue sarcoma. Results of a multi-centre study including 728 patients. - <b>Speaker:</b> Maria Anna Smolle
09:36 - 09:42	Prediction of recurrence after sarcoma treatment. Can it help plan follow up? <b>Speaker:</b> Robert Grimer
09:42 - 09:48	Rethinking the follow-up of soft tissue sarcomas: a multicenter analysis of 835 cases <b>Speaker:</b> Andreas Leithner
09:48 - 09:54	Clinicopathologic characteristics and prognostic factors of superficial soft tissue sarcoma <b>Speaker:</b> Jeong Hyun Lee
09:54 - 10:00	Questions
<b>SESSION 15</b>	
10:05 - 10:35	APMSTS Oration - "Prof. Yoshio Ogihara Oration" Chairpersons : Sahachart Piputkul, Han Soo Kim, Thomas Baad-Hansen "My brush with the contradictions in orthopaedic oncology - we take for granted" <b>Speaker:</b> Suresh Nathan
10:35 - 11:00	<b>TEA BREAK</b>
<b>SESSION 16</b>	
11:00 - 12:00	Free Paper Session Chairpersons : Chetan Anchan / Tipachart Punyaratabandhu / Jyoti Bajpai
11:00 - 11:06	Three decades of Peri-operative Interstitial Brachytherapy for Soft Tissue Sarcomas: Long-term outcomes <b>Speaker:</b> Siddhartha Laskar
11:06 - 11:12	Oncologic Outcomes for Patients with Myxofibrosarcoma <b>Speaker:</b> Prakash Nayak
11:12 - 11:18	Malignant peripheral nerve sheath tumours: an outcome analysis of 32 patients in Lerdsin Hospital, Thailand - <b>Speaker:</b> Goh Kian Liang
11:18 - 11:24	Survival Analysis On Adult Extremity Soft Tissue Sarcoma A Single Institution Study of 10 Years Duration <b>Speaker:</b> Sahran Yahaya
11:24 - 11:30	Questions
11:30 - 11:36	Oncological outcome of extremity synovial sarcomas treated with multimodality management <b>Speaker:</b> Seema Gulia
11:36 - 11:42	Is Fungation a Poor Prognosticator in Adult Extremity Soft Tissue Sarcoma? - - A Reevaluation of Data Controlling for Confounding Variables - <b>Speaker:</b> Edward Wang
11:42 - 11:48	Soft Tissue Sarcoma resections at University Malaya: Time-based functional outcome evaluation (MSTS and TESS) - <b>Speaker:</b> Venotha Madhialagan
11:48 - 11:54	Oncologic outcomes in patients with extraskeletal Ewings sarcoma (EES) <b>Speakers:</b> Navaneeth Kamath
11:54 - 12:00	Questions
<b>SESSION 17</b>	
12:05 - 01:05	Sarcoma & Bone Secondaries - Case based interactive discussion Moderator: Yogesh Panchwagh Panelists: H Katagari/ Edward Wang / Wei Ming Chen /Robin Jones
01:10 - 01:30	<b>CLOSING CEREMONY</b>
01:30 - 02:30	<b>LUNCH BREAK</b>