Day 3 June 17 (Sat.)

	Room A 2F Large Hall	Room B 5F Small Hall 1	Room C 5F Small Hall 2	Room D 7F 展示場702, 703	Exhibition 6F 602-605
8:00					
9:00	8:30-10:25 **Symposium 5** **Advanced Spine Surgery Using Intraoperative Assisted Devices** SY5-Keynote1 Seong Yi SY5-Keynote2 Hiroki Ohashi SY5-1～9 【Junichi Mizuno／Eun-Sang Kim】	8:30-9:20 **Oral 20** **Craniovertebral junction, Cervical 1** B3-1～7 【ToshihiroTakami 】	8:30-9:30 **Oral 26** **Lumbar2** C3-1～8 【Henrich Cheng／Yusuke Nishimura】		8:30-14:00
10:00		9:25-10:10 **Oral 21** **Trauma** B3-8～13 【Tomoo Inoue】	9:35-10:25 **Oral 27** **Tumor 2** C3-9～15 【Ryu Kurokawa／Toshiki Endo】		
11:00	10:30-11:55 **Symposium 6** **Minimally Invasive Lumbar Spine Surgery** SY6-Keynote1 Seung Won Park SY6-Keynote2 Hisashi Koga SY6-1～6 【Yukoh Ohara／Jau-Ching Wu】	10:15-10:45 **Oral 22** **Others** B3-14～17 【Takeshi Aoyama 】 10:50-11:50 **Oral 23** **Craniovertebral junction, Cervical 2** B3-18～25 【Se-Hoon Kim／Nobuyuki Shimokawa】	10:30-11:05 **Oral 28** **Pediatric** C3-16～20 【Takao Yasuhara】		Exhibition
12:00					
13:00	12:05-13:05 **Luncheon Seminar 9** **Full-Endoscopic Decompression: Indications and Surgical Technique** Verapan Kuansongtham 【Yasuhiko Nishimura】 RIWOspine／NIPRO CORPORATION	12:05-13:05 **Luncheon Seminar 10** **Minimally Invasive Spine Surgery with NOVA** Fon-Yih Tsuang／Yi-Hung Huang 【Koichi Iwatsuki】 BAUI Biotech Co.,Ltd.	12:05-13:05 **Luncheon Seminar 11** **Safety and Surgical Planning of LIF** Shigeo Ueda／Tetsuryu Mitsuyama 【Masaki Mizuno】 NuVasive Japan K.K.		
14:00	13:15-14:15 **Symposium 7** **Current Status and Problems of Cervical Artificial Disc Replacement** SY7-Keynote1 Jau-Ching Wu SY7-Keynote2 Se-Hoon Kim SY7-Keynote3 Toshitaka Yoshii SY7-1～2 【Kazutoshi Hida／Keun Su Kim】 14:20-15:35 **Symposium 8** **Surgical technique for complicated spinal cases. Video based presentation.** SY8-1 Jung-Kil Lee SY8-2 Jae Taek Hong SY8-3 Toshiki Endo SY8-4 Toshiyuki Takahashi SY8-5 Nobuyuki Shimokawa SY8-6 Takao Yasuhara 【In Soo Kim／Chiung-Chyi Shen】	13:15-14:40 **Oral 24** **Surgical technique, Image-guided surgery** B3-26～37 【Chun Kee Chung／Taku Sugawara】 14:45-15:35 **Oral 25** **Intractable pain, Pain management** B3-38～44 【Daisuke Umebayashi】	13:15-14:20 **Oral 29** **Osteoporotic vertebral fracture** C3-21～29 【Yuichiro Ohnishi／Masao Umegaki】 14:25-15:25 **Short Presentation 1** SP1-1～12 【Muneyoshi Yasuda】	13:40-15:25 **Short Presentation 2** SP2-1～21 【Ming-Chao Haung／Motoyuki Iwasaki】	
15:00					
16:00	15:35-15:40 **Research award ceremony & Closing remarks**				
17:00					
18:00					
19:00					

【　】は座長·Moderator