

8th BNS Bi-Neurovascular Symposium

Collaborate to Innovate: BNS 2024

**October 31 (Thu)
- November 2 (Sat), 2024
SIGNIEL Busan, Korea**



Abstract Book

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8th BNS Bi-Neurovascular Symposium

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Welcome Message

Dear colleagues and friends,

Building on the incredible success of last year's BNS Conference, we're thrilled to announce the 8th BNS! Join us in Busan, Korea, from October 31st to November 2nd, 2024, as we delve deeper into neurovascular frontiers under the theme "Collaborate to Innovate: BNS 2024"

Our commitment remains the same: advancing education, research, and clinical expertise in this field. This year, we'll explore the latest technologies and clinical advances, while establishing vital connections between physicians across borders. By sharing expertise and insights, we ensure patients worldwide receive the highest standard of care.

We've revamped the format to encourage collaboration and knowledge exchange at every level. Join us in Busan's vibrant autumn, and engage in interactive discussions, network with leading experts, and showcase your research.

Thank you for your dedication to our field, and we look forward to welcoming you to Busan in 2024.

Sincerely,

Yong-Sam Shin, MD, PhD

President, Bi-Neurovascular Symposium (BNS) Foundation
Professor, Department of Neurosurgery
Seoul St. Mary's Hospital, The Catholic University of Korea



Welcome Message

As President of the Korean Neuroendovascular Society (KoNES), Soon Chan Kwon, I am excited to invite you to the 8th BNS in beautiful and exciting city, Busan, Korea, October 31st to November 2nd, 2024.

BNS has been a cornerstone for technical progress, not just in Korea, but across Asia-Pacific region. Under the theme, "Collaborate to Innovate: BNS 2024" our goal is to provide a platform that ignites collaboration amongst physicians across continents and build a collective understanding that propels us on a path to unparalleled excellence.

We are preparing diligently to provide you with the best experience and opportunity.

Join us in Busan as we elevate BNS and neurovascular care to new heights.

Sincerely,

SoonChan Kwon, MD, PhD

President, Korean Neuroendovascular Society (KoNES)
Director, Regional CardioCerebrovascular Center
Director, Department of Education and Training
Professor, University of Ulsan College of Medicine, Ulsan, Korea





Organizing Committee

Symposium Organizer	Yong-Sam Shin (Seoul St. Mary's Hospital, Korea)
	SoonChan Kwon (Ulsan University Hospital, Korea)
Organizing Committee	Sukh Que Park (Soonchunhyang University Hospital Seoul, Korea)
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	Tae Gon Kim (CHA Bundang Medical Center, Korea)
	Hoon Kim (Bucheon St. Mary's Hospital, Korea)
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	Yong Bae Kim (Severance Hospital, Korea)
	Jin-Young Kim (Yonsei S Hospital, Korea)
	Sang Weon Lee (Pusan National University Yangsan Hospital, Korea)
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	Young Woo Kim (UiJeongbu St. Mary's Hospital, Korea)
	Jung Cheol Park (Asan Medical Center, Korea)
	Jong young Lee (Kangdong Sacred Heart Hospital)
	Joonho Chung (Gangnam Severance Hospital, Korea)
	Dong Young Cho (Ewha University Seoul Hospital, Korea)
	Keun Young Park (Severance Hospital, Korea)
	Sung Ho Lee (Seoul National University Hospital, Korea)
	Sung Lim Kim (Bucheon St. Mary's Hospital, Korea)
	Young jin Jung (Yeungnam University Hospital, Korea)
	Dong-Seong Shin (Soonchunhyang University Hospital Bucheon, Korea)
	Hee Sup Shin (Kyung Hee University Hospital, Korea)
	Jun Kyeong Ko (Pusan National University Hospital, Korea)
	Seung Pil Ban (Seoul National University Bundang Hospital, Korea)
	Jung Koo Lee (Incheon Sejong Hospital, Korea)
	Jai Ho Choi (Seoul St. Mary's Hospital, Korea)
	Myeong Jin Kim (Gil Medical Center, Korea)



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	Harsan (Indonesia)
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International Faculty



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Sung-Chul Jin	Inje University, Korea
Ho Jong Chun	The Catholic University of Korea, Korea
Jae Hung Choi	Dong-A University, Korea
Sung-Kon Ha	Korea University, Korea
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Program at a Glance

October 31st, 2024			
Grand Ballroom		Ballroom I+II	
		Pre-Congress Seminar & Hands-on Workshop - Techniques and Devices in Neuroendovascular Procedures -	15:30-17:30

November 1st, 2024				
	Grand Ballroom	Ballroom 1	Ballroom 2	
		Breakfast Seminar I AAFITN - Korea Joint Meeting - Stroke Workflow in Different Countries -	Breakfast Seminar II [Penumbra]	07:00-08:00
07:30-08:15	Registration			
08:15-08:30	Opening Remarks			
08:30-10:00	Scientific Session I Ischemic Stroke	Interactive Booth I-1 [Microvention]	Interactive Booth II-1 [Balt]	08:30-10:30
10:00-10:20	Coffee Break			
10:20-11:50	Scientific Session II AVM & AVF	Break		10:30-10:40
11:50-13:20	Luncheon Seminar I & II	Interactive Booth I-2 [Cerenovus]	Interactive Booth II-2 [Medtronic]	10:40-12:40
13:20-13:50	Coffee Break	Break		12:40-12:50
13:50-15:40	Scientific Session III Aneurysm	Interactive Booth I-3 [Stryker]	Interactive Booth II-3 [Medtronic]	12:50-15:20
15:40-16:10	Coffee Break	Break		15:20-15:40
16:10-17:40	Scientific Session IV Special Topics	Scientific Session V Free Paper I	Interactive Booth II-4 [Medtronic]	15:40-16:40
17:40	Adjourn			
		Gala Dinner		18:00

November 2nd, 2024				
	Grand Ballroom	Ballroom 1	Ballroom 2	
		Breakfast Seminar III [BALT]	Breakfast Seminar IV [Microvention] WEB user's Meeting	07:00-08:00
08:10-08:20	Opening Remarks	Interactive Booth III [Balt]	Interactive Booth IV [Microvention]	08:00-09:30
08:20-09:35	Scientific Session VI New Device and Strategy	Break		09:35-09:45
09:35-10:45	Scientific Session VII Free Paper II	Scientific Session VIII Tough or Interesting Case Discussion I	Scientific Session IX Tough or Interesting Case Discussion II	09:45-10:45
10:45-11:10	Coffee Break			10:45-11:10
11:10-12:10	Scientific Session X Chronic SDH & Headache	Scientific Session XI Complication Case Discussion	Scientific Session XII Free Paper III	11:10-12:10
12:10-13:40	Luncheon Seminar III & IV			
		Meet the Experts I	Meet the Experts II	13:40-17:00
		Closing Remarks & Adjourn		17:00



Program in details

Pre-congress, October 31

Ballroom 1 + 2	
15:30-17:30	Pre-Congress Seminar & Hands-on Workshop - Techniques and Devices in Neuroendovascular Procedures - Moderator: Keun Young Park (Yonsei University, Korea) Jong Young Lee (Hallym University, Korea) Joonho Chung (Yonsei University, Korea) Sukh Que Park (Soonchunhyang University, Korea)
15:30-16:00	Special Lecture I Vascular access: From puncture to closing Ho Jong Chun (<i>The Catholic University of Korea, Korea</i>)
16:00-16:30	Special Lecture II Review of detachable coil systems Kangmin Kim (<i>Seoul National University, Korea</i>)
16:30-17:00	Special Lecture III Intrasaccular device and neck-bridging stent for the treatment of cerebral aneurysm Keun Young Park (<i>Yonsei University, Korea</i>)



Program in details

Day 1, November 1

Grand Ballroom (Room 1, Main)	
07:30-	Registration
08:15-08:30	Opening Remarks Dong Ik Kim (CHA University, Korea) Min Woo Baik (New Korea Hospital, Korea) Yong-Sam Shin (The Catholic University of Korea, Korea)
08:30-10:00	Scientific Session I - Ischemic Stroke Moderator : Dong Ik Kim (CHA University, Korea) Yasushi Ito (Shinrakuen Hospital, Japan)
08:30-08:45	Consideration of optimal strategy from the results of Japanese REACT AIS registry Hisayuki Hosoo (<i>University of Tsukuba, Japan</i>)
08:45-09:00	Calibre matching of aspiration catheters for thrombectomy James Caldwell (<i>Auckland City Hospital, New Zealand</i>)
09:00-09:15	Initial experience of transradial Emboguard aproach and Cereglide71 aspiration catheter Yosuke Akamatsu (<i>Iwate Medical University, Japan</i>)
09:15-09:30	Endovascular therapy for AIS due to medium vessel occlusions Hiroshi Yamagami (<i>University of Tsukuba, Japan</i>)
09:30-09:45	Rescue therapies for failed mechanical thrombectomy: When & how Jae Hyung Choi (<i>Dong-A University, Korea</i>)
09:45-10:00	Future treatment avenues and innovation in the EVT of ischemic stroke Jens Fiehler (<i>University Medical Center Hamburg-Eppendorf, Germany</i>)
10:00-10:20	Coffee Break
10:20-11:50	Scientific Session II - AVM & AVF Moderator : Akio Hyodo (Kamagaya General Hospital, Japan) Seok-Mann Yoon (Soonchunhyang University, Korea)
10:20-10:35	Can we resect the spinal cord AVM safely? A proposed surgical grading system Hong-Qi Zhang (<i>Xuanwu Hospital, China</i>)
10:35-10:50	Balloon assisted onyx embolization for TS-SS DAVF Shigeru Miyachi (<i>Aichi Medical University, Japan</i>)
10:50-11:05	Selective shunt occlusion for cavernous sinus dural fistulae: Its technical tips and its mid-to-long term results Tetsu Satow (<i>Kindai University, Japan</i>)
11:05-11:20	Selective transvenous embolization for the treatment of cavernous sinus dural arteriovenous fistulas Hiro Kiyosue (<i>Kumamoto University, Japan</i>)
11:20-11:35	Transvenous ONYX embolization for non-sinus type dAVFs without appropriate arterial target feeders Tomoaki Terada (<i>Showa University, Japan</i>)
11:35-11:50	Endovascular interventional therapy based on cAVM vascular architecture classification Guangzhong Chen (<i>Guangdong Provincial People's Hospital, China</i>)



Program in details

Day 1, November 1

Grand Ballroom (Room 1, Main)		
11:50-12:50	Luncheon Seminar I [Stryker] -Challenging Aneurysm Treatment- Moderator : Yong-Sam Shin (The Catholic University of Korea, Korea) Jeyaledchumy Mahadevan (Pantai Hospital Kuala Lumpur, Malaysia)	
11:50-12:20	Large and giant aneurysms: Advancement in flow diversion technology-Surpass elite experience Yong-Sam Shin (The Catholic University of Korea, Korea)	
12:20-12:50	Complex aneurysms: Strategies and innovations Timothy John Phillips (NIISSWA, Australia)	
12:50-13:20	Luncheon Seminar II [Microvention] Moderator : Nobuyuki Sakai (Seiinkai Shimizu Hospital, Japan)	
12:50-13:20	FRED and FRED-X: Salient device attributes and long term clinical outcomes Naci Kocer (Acibadem University, Turkey)	
13:20-13:50	Coffee Break	
13:50-15:40	Scientific Session III - Aneurysm Moderator : Yong Bae Kim (Yonsei University, Korea) James Caldwell (Auckland City Hospital, New Zealand)	
13:50-14:05	Personal experiences using surpass evolve flow-diverter stent for cerebral aneurysms Akio Hyodo (Kamagaya General Hospital, Japan)	
14:05-14:20	Is flow-diverter with coiling really effective to protect delayed rupture of aneurysms? Based on the results of nationwide questionnaire Shigeru Miyachi (Aichi Medical University, Japan)	
14:20-14:35	Hybrid treatment strategies for difficult aneurysms based on long-term follow-up results Tohru Mizutani (Showa University, Japan)	
14:35-14:50	How to enhance healing in cerebral aneurysm treatment Naci Kocer (Acibadem University, Turkey)	
14:50-15:05	Revised concept of Vein of Galen Aneurysmal Malformation (VGAM) Yasunari Niimi (St. Luke's International Hospital, Japan)	
15:05-15:20	Interim report of Korean WEB registry Hyun-Seung Kang (Seoul National University, Korea)	
15:20-15:35	Petra-MRA: Feasible option for aneurysms treated with WEB Jung-Jae Kim (Yonsei University, Korea)	
15:40-16:10	Coffee Break	



Program in details

Day 1, November 1

Grand Ballroom (Room 1, Main)		
16:10-17:40	Scientific Session IV - Special Topics Moderator : Yasushi Matsumoto (Tohku University, Japan) Hong-Qi Zhang (Xuanwu Hospital, China)	
16:10-16:25	Distal transradial approach: Pros and cons Shinichi Yoshimura (Hyogo Medical University, Japan)	
16:25-16:40	Use of an intravascular optical coherence tomography catheter to traverse tortuous vessels: A preclinical study Chang-Hyun Kim (Keimyung University, Korea)	
16:40-16:55	Beyond conventional morphological parameters: Novel morphological indexes for quantitative evaluation of cerebral aneurysm irregularity Kwang-Chun Cho (Yonsei University, Korea)	
16:55-17:10	Roll of flat panel perfusion imaging for neuroendovascular therapy Yasushi Ito (Shinrakuen Hospital, Japan)	
17:10-17:25	PICO avenir coil in complex aneurysm embolization [Wallaby] Kenji Sugiu (Okayama University, Japan)	
17:25-17:40	eShunt - A solution for hydrocephalus treatment [On-line] Ivan Lylyk (La Sagrada Familia Clinic, Argentina)	
17:40	Adjourn	



Program in details

Day 1, November 1

Ballroom 1 (Room 2)	
0700:-08:00	Breakfast Seminar I AAFITN-Korea Joint Meeting - Stroke Workflow in Different Countries - Moderator : Jeyaledchumy Mahadevan (Pantai Hospital Kuala Lumpur, Malaysia) SoonChan Kwon (University of Ulsan, Korea)
07:00-07:15	Stroke challenges in lower economic Asian countries Jeyaledchumy Mahadevan (Pantai Hospital Kuala Lumpur, Malaysia)
07:15-07:30	Stroke treatment at S.I.S Hospital, Vietnam Cuong Tran Chi (S.I.S Vietnam, Vietnam)
07:30-07:45	Stroke workflow in Korea Hyon-Jo Kwon (Chungnam National University, Korea)
07:45-08:00	Discussion
08:30-10:30	Interactive booth I-1 [Microvention]
10:40-12:40	Interactive booth I-2 [Cerenovus]
12:50-15:20	Interactive booth I-3 [Stryker]
15:40-16:40	Scientific Session V - Free Paper 1 Moderator : Affan Priyambodo Permana (Alfried Krupp Krankenhaus Rüttenscheid, Indonesia) Masaru Hirohata (Kurume University, Japan)
15:40-15:48	Crossing Y-stent assisted coil embolization using neuroform atlas in intracranial wide-necked bifurcation aneurysms Dong Kyu Jang (The Catholic University of Korea, Korea)
15:48-15:56	Distal MCA aneurysm surgery requiring bypass surgery Young Gyun Jeong (Inje University, Korea)
15:56-16:04	Predictive value of cognitive decline for imminent rupture in large basilar tip aneurysms: The importance of clinical symptoms Solhooy Oh (The Catholic University of Korea, Korea)
16:04-16:12	Midterm results of woven endoBridge (WEB) embolization and unique cases for WEB: Single center experience Dae Won Kim (Wonkwang University, Korea)
16:12-16:20	Measurement of mechanical properties of microcatheters for stability and shapability and bench-top verification with simulation Jung-Jae Kim (Yonsei University, Korea)
16:20-16:28	Hybrid operating room surgery for arteriovenous malformation: Setup, implementation, and single hospital experience Ja Ho Koo (Ewha womans University, Korea)
16:28-16:36	Evaluating treatment efficacy in vertebrobasilar fusiform aneurysms through the integration of multiple flow diverter devices and computational fluid dynamics analysis Prihantini (Bandung Institute of Technology, Indonesia)
18:00	Dinner



Program in details

Day 1, November 1

Ballroom 2 (Room 3)	
0700:-08:00	Breakfast Seminar II [Penumbra] Moderator : Young Woo Kim (The Catholic University of Korea, Korea) Kenji Sugiu (Okayama University, Japan)
07:00-07:15	Aspiration thrombectomy for distal vessel occlusion: Gold coast experience - DIVA Vinicius Carraro do Nascimento (Gold Coast University, Australia)
07:15-07:30	Journey with MT: Combination technique: ADAPT - Experience with RED family (primary & secondary distal applications) Sung-Chul Jin (Inje University, Korea)
08:30-10:30	Interactive booth II-1 [Balt]
10:40-12:40	Interactive booth II-2 [Medtronic]
12:50-15:20	Interactive booth II-3 [Medtronic]
15:40-16:40	Interactive booth II-4 [Medtronic]
18:00	Dinner



Program in details

Day 2, November 2

Grand Ballroom (Room 1, Main)		
07:30	Opening Remarks	SoonChan Kwon (President of KoNES, Korea)
08:20-09:35	Scientific Session VI - New Device and Strategy Moderator : Seong-Rim Kim (The Catholic University of Korea, Korea) Shinichi Yoshimura (Hyogo Medical University, Japan)	
08:20-08:35	Endovascular treatment of chronically occluded sinus causing intracranial hypertension [On-line] Adnan Siddiqui (SUNY University at Buffalo Jacobs School of Medicine & Biomedical Sciences, USA)	
08:35-08:50	"Spontaneous" intracranial hypotension and CSF-Venous fistulas Vinicius Carraro do Nascimento (Gold Coast University, Australia)	
08:50-09:05	Endovascular treatment of high jugular bulb inducing pulsatile tinnitus Tae Hong Lee (Pohang Stroke and Spine Hospital, Korea)	
09:05-09:20	New dilatation device "TG-Dilator" for ICAD based acute ischemic stroke Chiaki Sakai (Kyoto University, Japan)	
09:20-09:35	Usefulness of DeFrictor NANO, BULL & ZERO catheters for new treatment strategies of neuroendovascular surgery Yasushi Matsumoto (Tohoku University, Japan)	
09:35-10:45	Scientific Session VII - Free Paper 2 Moderator : Yuang Seng Tsuei (Taichung Veterans General Hospital, Taiwan) Dae Young Hong (Pohang Stroke and Spine Hospital, Korea)	
09:35-09:45	Cerebrovascular complications in vascular type ehlers-danlos syndrome Toshiyuki Fujinaka (Osaka National Hospital, Japan)	
09:45-09:55	The importance of shaping and positioning of the microcatheter to perform good coil embolization Tomoaki Terada (Showa University, Japan)	
09:55-10:05	Clinical and radiologic outcomes of unruptured intracranial aneurysms with incorporated branches after flow diverter treatment Hyun Jin Han (Yonsei University, Korea)	
10:05-10:15	Woven endoBridge embolization versus microsurgical clipping for unruptured wide neck bifurcation aneurysms on middle cerebral artery: Inverse probability of treatment weighting analysis Jong Hyun Sung (Yonsei University, Korea)	
10:15-10:25	Dural AVF Embolization - A spectrum from basics to refined techniques Vritika Bhardwaj (Interventional Radiology, India)	
10:25-10:35	Intra-procedural rupture for unruptured intracranial aneurysms during endovascular treatment Woo Cheul Cho (The Catholic University of Korea, Korea)	
10:35-10:45	COMparision of clinical and radiological outcomes between suction asPiration method and combination mEthod of intra-arterial Therapy (IAT) in largE artery occlusion (COMPETE trials): Prospective multicenter trials: Interim results of COMPETE trials Sung-Chul Jin (Inje University, Korea)	
10:45-11:10	Coffee Break	



Program in details

Day 2, November 2

Grand Ballroom (Room 1, Main)		
11:10-12:10	Scientific Session X - Chronic SDH & Headache Moderator : Yong-Sam Shin (The Catholic University of Korea, Korea) Naci Kocer (Acibadem University, Turkey)	
11:10-11:25	Pathogenesis from a neurointervention perspective Jae Sang Oh (The Catholic University of Korea, Korea)	
11:25-11:40	Chronic subdural hematoma treatment with embolization versus surgery study Jens Fiehler (University Medical Center Hamburg-Eppendorf, Germany)	
11:40-11:55	Practical points of MMA embolization Seung Pil Ban (Seoul National University, Korea)	
11:55-12:10	Role of MMA embolization and beyond Adnan Siddiqui (SUNY University at Buffalo Jacobs School of Medicine & Biomedical Sciences, USA)	
12:10-13:10	Luncheon Seminar III [Medtronic] Moderator : Hae Woong Jeong (Inje University, Korea) Shigeru Miyachi (Aichi Medical University, Japan)	
12:10-12:30	The axium effect - Benefits of axium family Jun-Kyeong Ko (Pusan National University, Korea)	
12:30-12:50	Vantage in victory: Technical tips and clinical benefits of pipeline vantage Seung Pil Ban (Seoul National University, Korea)	
12:50-13:10	Latest inspire A data: Braid observations and outcomes for pipeline vantage Jens Fiehler (University Medical Center Hamburg-Eppendorf, Germany)	
13:10-13:40	Luncheon Seminar IV [Balt] Moderator : Seung Hun Sheen (CHA University, Korea) Hiro Kiyosue (Kumamoto University, Japan)	
13:10-13:25	Copernic RC balloon: A perfect tool to facilitate dural AVF treatment Yilmaz Onal (University of Health Sciences, Fatih Sultan Mehmet Teaching and Research Hospital, Turkey)	
13:25-13:40	Corpenic RC: AKK experience [On-line] René Chapot (Alfried Krupp Krankenhaus, Germany)	



Program in details

Day 2, November 2

Ballroom 1 (Room 2)	
07:00-08:00	Breakfast Seminar III [Balt] Moderator: Sukh Que Park (Soonchunhyang University, Korea) Yilmaz Onal (University of Health Sciences, Fatih Sultan Mehmet Teaching and Research Hospital, Turkey)
07:00-07:30	Endovascular coil embolization of aneurysms with a focus on optima Hyun-Seung Kang (Seoul National University, Korea)
07:30-08:00	Treating intracranial aneurysm with soft coils Masataka Takeuchi (Seisho Hospital, Japan)
08:00-09:30	Interactive booth III [Balt]
09:45-10:45	Scientific Session VIII - Tough or Interesting Case Discussion 1 Moderator : Guangzhong Chen (Guangdong Provincial People's Hospital, China) Sung-Kon Ha (Korea University, Korea)
09:45-09:53	Angioplasty with stent placement for non-acute occlusion of internal carotid artery: A case report Gantulga Vanchinsuren (Second State Central Hospital, Mongolia)
09:53-10:01	Arterial puncture of non-femoral site with difficult femoral access for thrombectomy or carotid stenting Changhyun Kim (Keimyung University, Korea)
10:01-10:09	Challenging cases in acute stroke interventions Ryusuke Kuwai (Hyogo College of Medicine, Japan)
10:09-10:17	Selection of M2 branch in acute MCA occlusion thrombectomy: Superior or inferior branch? So Yeon Kim (Kwandong University, Korea)
10:17-10:25	The efficacy of the LEO stent in intracranial angioplasty and stenting for managing posterior circulation stroke due to significant basilar artery stenosis: A case report Gamaliel Soetanto (Saint Borromeus General Hospital, Indonesia)
10:25-10:33	Parent artery occlusion in giant cavernous aneurysm: Is that still a choice? Affan Priyambodo Permana (Alfried Krupp Krankenhaus Rüttenscheid, Indonesia)
10:33-10:41	First experiences with the pipeline “Vantage embolization device with shield technology” in Inje University Busan Paik Hospital Joo Hwan Lee (Inje University, Korea)



Program in details

Day 2, November 2

Ballroom 1 (Room 2)	
11:10-12:10	Scientific Session XI - Complication case discussion Moderator : Jin-Young Jung (Champodonamu Hospital, Korea) Mynzhyl Berdikhohayer (Kazakhstan)
11:10-11:18	Endovascular removal of freely floating retained microcatheter at aortic arch with snare Seung Hun Sheen (CHA University, Korea)
11:18-11:26	Hemorrhagic complication after carotid stenting in acute ischemic stroke Minh Duc Nguyen (Can Tho SIS General Hospital, Vietnam)
11:26-11:34	Initial experience of intraarterial heparin for thromboembolism complication during neuroendovascular procedure Adiguno Suryo Wicaksono (Universitas Gadjah Mada, Indonesia)
11:34-11:42	A case of vessel perforation during exchange technique in patient with SAH Jong-Hyun Park (Soonchunhyang University, Korea)
11:42-11:50	Pseudoaneurysm of posterior cerebral artery after resection of craniopharyngioma: A case report Januardi Rifian Jani (RSUD Dr Soetomo General Academic Hospital, Indonesia)
11:50-11:58	Report on the difficulties in treating a ruptured dissecting AICA aneurysm Chang Hyeun Kim (Pusan National University, Korea)
11:58-12:06	Iatrogenic Subarachnoid Haemorrhage (SAH) post Mechanical Thrombectomy(MT): Predictors and clinical outcome Savith Kumar (Apollo Hospitals Bangalore., India)
13:40-14:00	Coffee Break
14:00-15:30	Meet the Experts I-1 Moderator : Sangwon Lee (Pusan National University, Korea) Yasushi Ito (Shinrakuen Hospital, Japan) Yilmaz Onal (University of Health Sciences, Fatih Sultan Mehmet Teaching and Research Hospital, Turkey)
14:00-14:30	Pathogenesis, natural clinical course and surgery for cerebral dissecting aneurysms Tohru Mizutani (Showa University, Japan)
14:30-14:50	Surgical treatment of vertebrobasilar dissection Yong Bae Kim (Yonsei University, Korea)
14:50-15:10	Intracranial arterial dissection - Pathogenesis and its management - Hong-QI Zhang (Xuanwu Hospital, China)
15:10-15:30	Pathophysiology and management of intracranial arterial dissection Yong-Cheol Lim (Ajou University, Korea)
15:30-16:30	Meet the Experts I-2 Moderator : Chang-Woo Ryu (Kyunghee University, Korea) Bum Tae Kim (Soonchunhyang University, Korea)
15:30-16:30	The mystery of atherothrombosis: Embryological considerations Michihiro Tanaka (Kameda Medical Center, Japan)
17:00	Closing remarks & Adjourn



Program in details

Day 2, November 2

Ballroom 2 (Room 3)	
07:00-08:00	Breakfast Seminar IV [Microvention] WEB User's Meeting Moderator : SoonChan Kwon (University of Ulsan, Korea) Naci Kocer (Acibadem University, Turkey)
07:00-07:10	Personal experiences using WEB for cerebral aneurysms Akio Hyodo (Kamagaya General Hospital, Japan)
07:10-07:20	Imaging protocol and efforts for optimal WEB size selection Dong Young Cho (Ewha Womans University, Korea)
07:20-07:30	Technical tips for WEB deployment Shinichi Yoshimura (Hyogo Medical University, Japan)
07:30-08:00	Discussion
08:00-09:30	Interactive booth IV [Microvention]
09:30-10:30	Scientific Session IX - Tough or Interesting Case Discussion 2 Moderator : Sook Young Sim (Myongji University, Korea) Cuong Tran Chi (S.I.S Vietnam, Vietnam)
09:45-09:53	Interesting surgical approached transvenous embolization for cavernous sinus dAVF Bum Tae Kim (Soonchunhyang University, Korea)
09:53-10:01	Case of occluded inferior petrosal sinuses cannulation for transvenous embolization of cavernous sinus dural arteriovenous fistulas Fachriy Balafif (Department of Neurosurgery Dr Saiful Anwar General Hospital Malang Indonesia, Indonesia)
10:01-10:09	High flow shunts of posterior circulation: A therapeutic challenge Savyasachi Jain (Neuroimaging and Interventional Neuroradiology, India)
10:09-10:17	Single position combine intraoperative spinal angiography and open shunt disconnection for spinal dural arteriovenous fistula Yunus Kuntawi Aji (National Brain Center Hospital Mahar Mardjono, Indonesia)
10:17-10:25	Complex dural arterio-venous fistula- An unusual cause of ischemic stroke: Cone beam CT of help in opening the closed door Manisha Joshi (Rajagiri Hospital, India)
10:25-10:33	Overcoming challenges: Managing complexities of massive epidural hemorrhage management in a resource-limited hospital setting in archipelagic region, a case report and literature review Salsabilla Maula Zalfa El Hamzah (Dr TC Hillers Regional General Hospital Maumere, Indonesia)
10:33-10:41	Case of pseudoaneurysm in a young female with subarachnoid hemorrhage: Diagnosis and management Jaeyeon Kim (The Catholic University of Korea, Korea)



Program in details

Day 2, November 2

Ballroom 2 (Room 3)	
11:10-12:10	Scientific Session XII - Free paper 3 Moderator : Hee Sup Shin (Kyunghee University, Korea) Yeon-Ku Kang (Daegu Good Morning Hospital, Korea)
11:10-11:18	Preliminary study of early DWI-PWI MRI changes of successful intra-arterial thrombectomy Youngsoo Kim (Pohang Stoke and Spine Hospital, Korea)
11:18-11:26	Dural AVF treated with burr hole and direct transverse sinus puncture Seok-Mann Yoon (Soonchunhyang University, Korea)
11:26-11:34	Experience with tigertriever: Tips and pitfalls Shoichiro Tsuji (Hyogo University, Japan)
11:34-11:42	Emergent stenting in acute vertebrobasilar occlusions (ESVO Study) Minh Duc Nguyen (Can Tho SIS General Hospital, Vietnam)
11:42-11:50	Outcomes of bypass surgery in adult moyamoya disease by onset type Jihye Song (Ajou University, Korea)
11:50-11:58	The value of particles for preoperative embolization of tumors: A single-center experience Fitra (Dr Zainoel Abidin General Hospital Banda Aceh, Indonesia)
11:58-12:06	The efficacy and efficiency of percutaneous lidocaine injection for minimizing the carotid reflex in carotid artery stenting: A single-center retrospective study Minkyu Kim (Cheju Halla General Hospital, Korea)
13:40-14:00	Coffee Break
14:00-15:00	Meet the Experts II-1 Moderator : Hyun-Seung Kang (Seoul National University, Korea) Tomoaki Terada (Showa University, Japan)
14:00-15:00	Intracranial giant aneurysms Naci Kocer (Acibadem University, Turkey)
15:00-16:00	Meet the Experts II-2 Moderator : Jae Hoon Sung (The Catholic University of Korea, Korea) Tae Gon Kim (CHA University, Korea)
15:00-16:00	Balloon guide catheters James Caldwell (Auckland City Hospital, New Zealand)
16:00-17:00	Meet the Experts II-3 Moderator : Dongkyu Jang (The Catholic University of Korea, Korea) Joonho Chung (Yonsei University, Korea)
16:00-17:00	My Top 5 - Misconceptions in stroke imaging and therapy Jens Fiehler (University Medical Center Hamburg-Eppendorf, Germany)
17:00	Closing remarks & Adjourn



Abstract

NO.	Abstract Title
PE-01	Neuroprotective effects of peripheral nerve microcurrent stimulation therapy in a rat model of middle cerebral artery occlusion Eun Sang Kwon (<i>Keimyung University, Korea</i>)
PE-02	Age-related differences in clinical characteristics and outcomes of aneurysmal subarachnoid hemorrhage: A retrospective study of 657 patients Min Jeoung Kim (<i>The Catholic University of Korea, Korea</i>)
PE-03	Quantitative analysis of traumatic carotid cavernous fistula using Bayesian inference system models to enhance predictive accuracy and treatment strategies Prihantini (<i>Bandung Institute of Technology, Indonesia</i>)
PE-04	Simultaneous nonaneurysmal sulcal subarachnoid hemorrhage and acute cerebral infarction in a patient with intracranial atherosclerosis Seungmin Kim (<i>Veterans Health Service Medical Center, Korea</i>)
PE-05	Delayed diagnosis of traumatic intracranial aneurysm and endovascular management: A case report Nia Yuliatr Purba (<i>Mayapada Hospital Jakarta Selatan, Indonesia</i>)
PE-06	Surgical treatment of posterior circulation cerebral aneurysms in Inje University Busan Paik Hospital Jin Lee (<i>Inje University, Korea</i>)
PE-07	Rescue extracranial vertebral stenting in tandem occlusions: A preliminary Vietnamese study Minh Thang Le (<i>Can Tho SIS General Hospital, Vietnam</i>)
PE-08	A comprehensive analysis of stent during stent assisted coil embolization for cerebral aneurysms: A 17-year institutional study Kihun Kim (<i>PMC Park Hospital, Korea</i>)
PE-09	Reversible cerebral vasoconstriction syndrome with cortical subarachnoid hemorrhage presenting with thunderclap headache Seungmin Kim (<i>Veterans Health Service Medical Center, Korea</i>)
PE-10	Machine learning-driven prediction of early vascular cognitive impairment using 4D flow MRI-derived cerebral arterial pulsatility Sahnaz Vivinda Putri (<i>International University Semen Indonesia, Indonesia</i>)
PE-11	Rescue intracranial stenting in acute ischemic stroke: A preliminary Vietnamese study Minh Thang Le (<i>Can Tho SIS General Hospital, Vietnam</i>)
PE-12	Rescue stenting after the failure of intravenous thrombolysis and bridging thrombolysis: An initial Vietnamese report Minh Thang Le (<i>Can Tho SIS General Hospital, Vietnam</i>)
PE-13	Aspiration with large bore catheter without microcatheter as first attempt mechanical thrombectomy: A case report of device maneuverable Nurullah Armyta (<i>Pertamina Central Hospital, Indonesia</i>)



Abstract

NO.	Abstract Title
PE-14	Percutaneous ultrasound-guided direct puncture of vertebral artery for thrombectomy of acute basilar artery occlusion: A case report Quy Tuong Tran (<i>Gia Dinh People Hospital, Vietnam</i>)
PE-15	Usefulness of stent-assisted endovascular embolization of ontracranial aneurysms using low-profile braided type stent (accero stent) Gwangtae Park (<i>Yeungnam University, Korea</i>)
PE-16	Prognostic value of computed tomography angiography in acute ischemic stroke patients with large vessel occlusion: A prospective study Duc Anh Tran (<i>Hue Central Hospital, Vietnam</i>)
PE-17	Stent thrombosis in acute ischemic stroke emergency Quoc Thai Nguyen (<i>Quang Nam General Hospital, Vietnam</i>)
PE-18	Clinical and angiographic outcomes of endovascular treatment for ruptured posterior circulation cerebral aneurysms Hai Ha Le (<i>Dong Nai Hospital, Vietnam</i>)
PE-19	Endovascular therapy of the extracranial carotid artery and mechanical thrombectomy in patients with acute tandem occlusions stroke: Results from case series of 10 patients Minh Chau Nguyen (<i>E Hospital, Vietnam</i>)
PE-20	Clinical, subclinical features and treatment outcomes of hemoptysis patients using endovascular intervention guided by Digital Subtraction Aangiography (DSA) at Can Tho Central General Hospital 2022-2023 Nhat Dang To (<i>Can Tho Central General Hospital, Vietnam</i>)
PE-21	Significant improvement on intracranial hemorrhagic stroke through encephaloduroarteriomyosynangiosis: An alternative and rare approach Achmad Kurniawan (<i>Koesnadi Hospital of Bondowoso, Indonesia</i>)
PE-22	Evaluate outcome after mechanical thrombectomy in large vessel occlusion in patients with acute ischemic stroke Duc Lam Phung (<i>Viet Tiep Friendship Hospital, Vietnam</i>)
PE-23	Addition of carotid stenting after delayed carotid stenting migration Young Seup Lee (<i>Daegu GoodMorning Hospital, Korea</i>)
PE-24	Mechanical thrombectomy in top-of-the-basilar artery occlusion Van Muong Mai (<i>Can Tho SIS General Hospital, Vietnam</i>)
PE-25	Scanning for hope: Revolutionizing stroke care with 16-slice ct scan in primary care Agnes Wanda Suwanto (<i>Brawijaya University, Indonesia</i>)
PE-26	Can a calcification pattern assist in distinguishing a pineal gland mass? - Serial case Agnes Wanda Suwanto (<i>Brawijaya University, Indonesia</i>)



Abstract

NO.	Abstract Title
PE-27	Applying solumbra technique in acute ischemic stroke patients for large vessel occlusions at Vinh Phuc Provincial General Hospital Duc Tho Bui (Vinh Phuc General Hospital, Vietnam)
PE-28	Successful treatment of multiple moderate-to-severe vertebral artery stenosis using dual antiplatelet therapy in first-ever stroke: A case series Rachmat Hidayat (Cipto Mangunkusumo Hospital, Indonesia)
PE-29	Dural arteriovenous fistula of the hypoglossal canal: A case report at Bach Mai Hospital Duc Ngoc Tu (Bach Mai Hospital, Vietnam)
PE-30	Double stent retriever for mechanical thrombectomy of concomitant anterior and middle cerebral artery occlusion Ahmad Sulaiman Alwahdy (Fatmawati Hospital, Indonesia)
PE-31	Persistent hypoglossal artery in patients with juvenile nasopharyngeal angiofibroma: A case report Anthony Gunawan (Kanjoso Djatiwibowo Hospital, Indonesia)
PE-32	Moyamoya syndrome associated with hypothyroidism: Case report Ashari Bahar (Dr Wahidin Sudirohusodo Hospital, Indonesia)
PE-33	Evaluation of endovascular treatment for ruptured intracranial aneurysms: A single- center study in Vietnam Minh Duc Nguyen (Nguyen Tri Phuong Hospital, Vietnam)
PE-34	Indirect carotid cavernous fistula concomitant with bilateral dural arteriovenous fistula after pregnancy treated with transvenous coiling and transarterial embolization Yudhi Adrianto (Airlangga University Hospital, Indonesia)
PE-35	Carotid total occlusion: Hints and approaches to achieve better recanalized rate Huy Nguyen Dao Nhat (SIS General Hospital Can Tho, Vietnam)
PE-36	Delayed recognition of ophthalmic artery occlusion during stent assisted coil embolization for a recurred paraclinoid aneurysm Bum Tae Kim (Soonchunhyang University, Korea)
PE-37	Carotid stenting after stroke post endarterectomy Duc Huynh Quoc (Thong Nhat Hospital, Vietnma)
PE-38	Clinical and paraclinical correlates of neurological recovery in acute ischemic stroke patients undergoing reperfusion therapy Mai Hoang (Tan Tao University, Vietnam)
PE-39	Fusiform aneurysm of the basilar artery with in-stent thrombosis following stent-in stent placement post-flow diversion: Case report Fauziah Chaira Ummah (Universitas Indonesia, Indonesia)

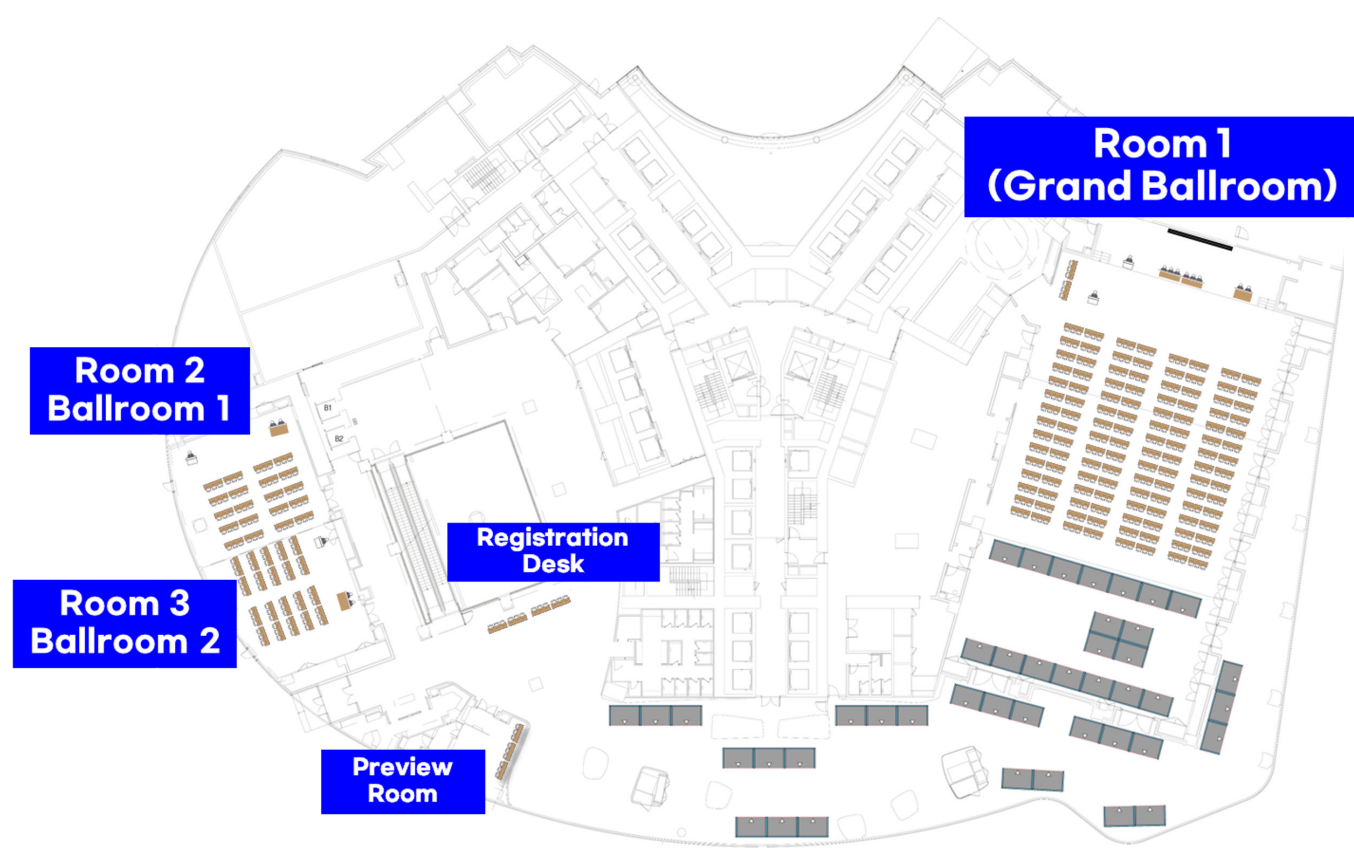


Abstract

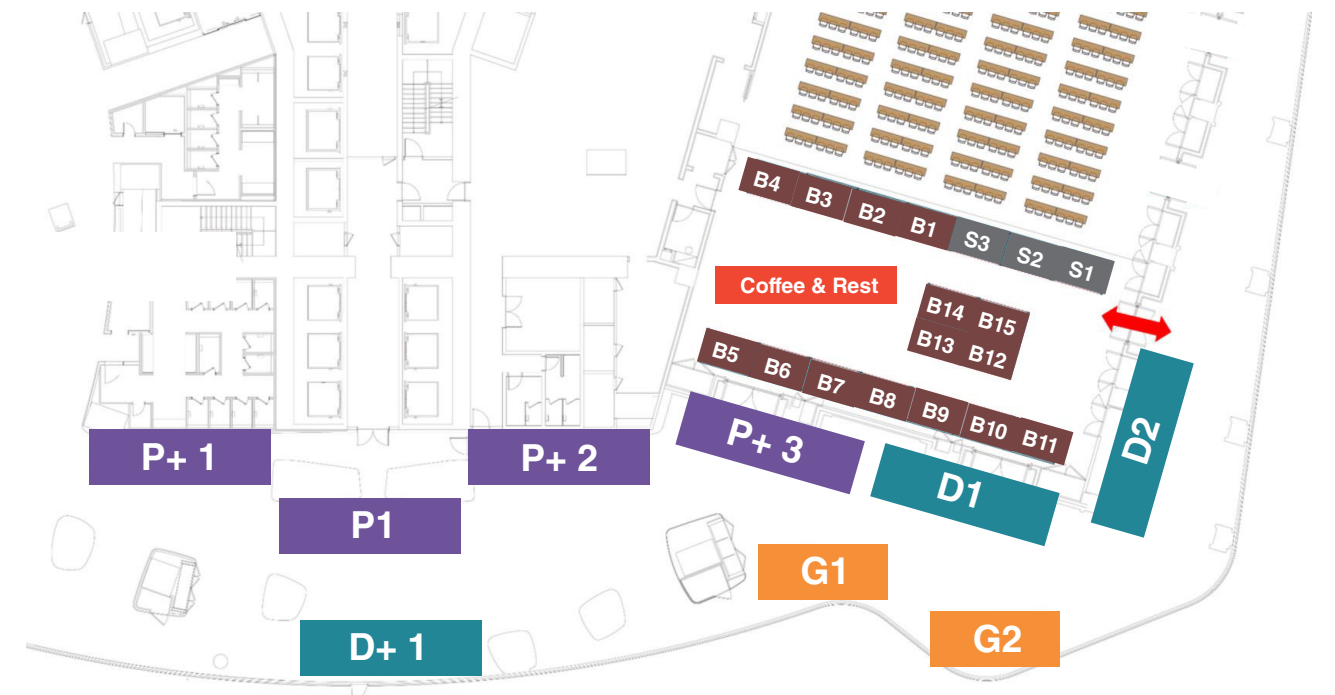
NO.	Abstract Title
PE-40	Answering the dilemma of choosing hyperosmotic agent to reduce intracranial pressure, which one is better? An updated systematic review Salsabilla Maula Zalfa El Hamzah (Dr TC Hillers Regional General Hospital Maumere, Indonesia)
PE-41	Intracranial thrombectomy for acute middle cerebral artery occlusion due to calcified emboli: Case report Chiaohua Lee (China Medical University Hsinchu Hospital, Taiwan)
PE-42	Feasibility and safety values of activated clotting time guided systemic heparinization in coil embolization for unruptured intracranial aneurysms Dong Kyu Jang (The Catholic University of Korea, Korea)
PE-43	Association between leukocyte and neutrophil counts with muscle strength in acute ischemic stroke patients Nadyatul Husna (Alumnus of Universitas Andalas, Indonesia)



Floor Plan



Booth Exhibition



랭크	후원사명
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Platinum+ 2	Medtronic Engineering the extraordinary
Platinum+ 3	TERUMO NEURO
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Trademark	2 Registered, 1 filed
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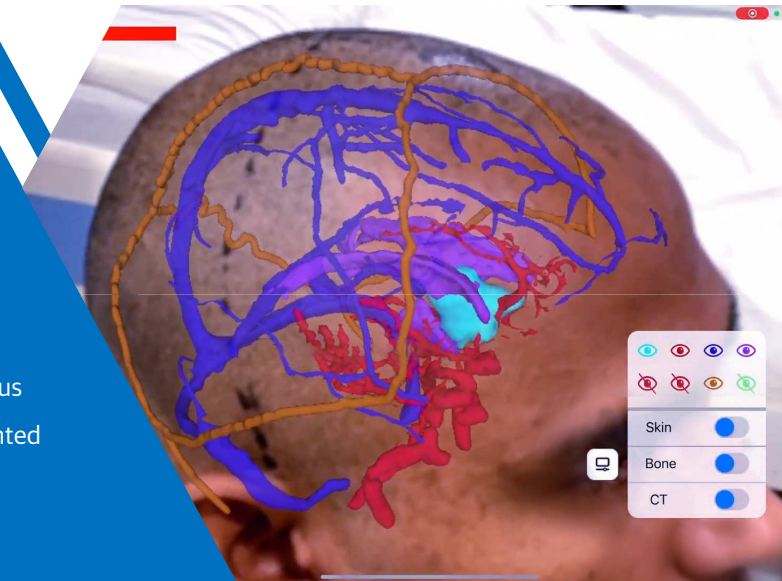
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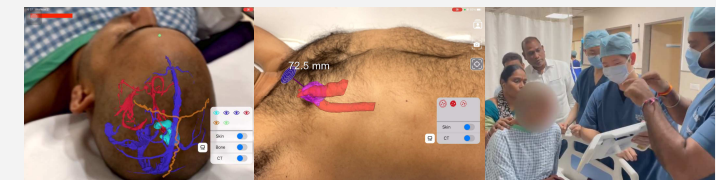
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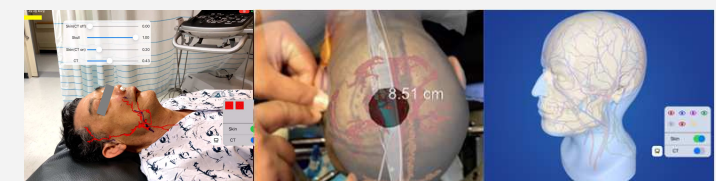
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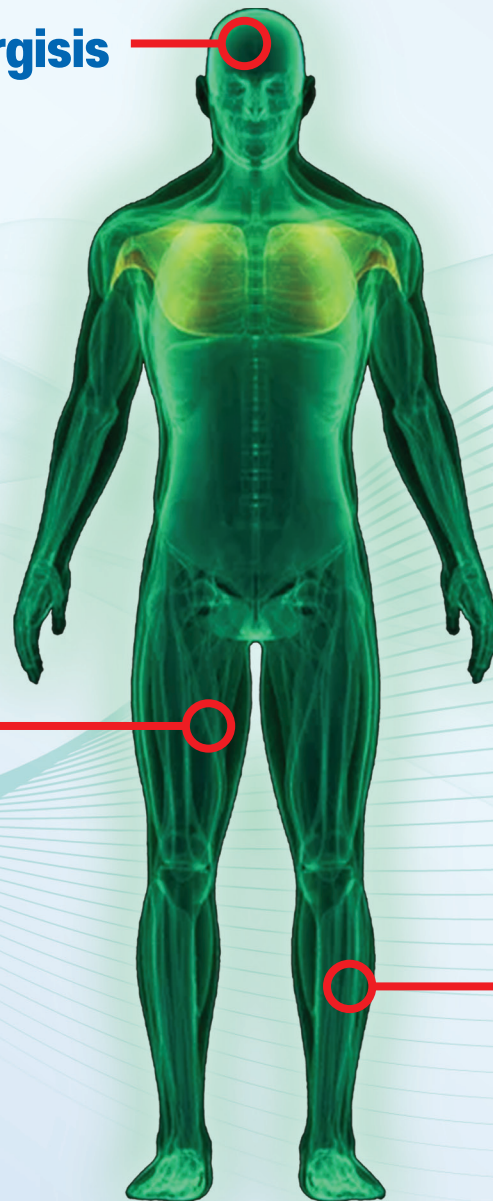
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[전문의약품] [주성분 함량] 로바젯®정10/5밀리그램 1정(139mg) 중 로수바스타틴칼슘 5.2mg (로수바스타틴으로서 5.0mg), 에제티미브 10.0mg, 로바젯®정10/10밀리그램 1정(160mg) 중 로수바스타틴칼슘 10.4mg (로수바스타틴으로서 10.0mg), 에제티미브 10.0mg, 로바젯®정10/20밀리그램 1정(268mg) 중 로수바스타틴칼슘 20.8mg (로수바스타틴으로서 20.0mg), 에제티미브 10.0mg **[효능·효과]** 원발성 고콜레스테롤혈증 원발성 고콜레스테롤혈증(이형지질혈증 가족형 및 비가족형) 또는 혼합형 이상지질혈증 환자의 상승된 총 콜레스테롤 (total-C), LDL-콜레스테롤(LDL-C), 아포 B 단백질(Apo B), 트리글리세라이드(TG) 및 non-HDL-콜레스테롤을 감소시키고, HDL-콜레스테롤(HDL-C)을 증가시키기 위한 식이요법의 보조제로서 이 약을 투여한다. 고콜레스테롤혈증에 기인한 동맥경화성 질환 질환의 위험성이 증가한 환자에게 지질조절약물을 투여할 때에는 많은 위험 인자를 고려해야 한다. 지질조절약물은 적절한 식이요법(포화지방 및 콜레스테롤 제한을 포함)과 함께 사용하고, 식이요법 및 다른 비약물학적 조치에 대한 반응이 불충분한 경우에 사용해야 한다. 이 약 투여에 앞서 이상지질혈증의 다른 이차적 원인을 들면, 당뇨, 갑상선기능저하증, 폐쇄성 간질환, 만성신부전, LDL-콜레스테롤을 증가시키는 약물 및 HDL-콜레스테롤을 감소시키는 약물(progestin, anabolic steroid, 및 corticosteroid)을 확인하여야 하며, 필요한 경우 이차적

원인을 치료해야 한다. 지질 검사시에는 총콜레스테롤, LDL-콜레스테롤, HDL-콜레스테롤 및 트리글리세라이드를 포함해야 한다. 트리글리세라이드 수치가 400mg/dL 이상 (4.5mmol/L 이상)인 경우에는 초원심분리로 LDL-콜레스테롤 농도를 측정해야 한다. 급성 관상동맥 사고로 입원할 경우에는 입원 시 혹은 입원 후 24시간 이내에 지질을 측정해야 한다. 환자의 퇴원 전 혹은 퇴원 시에 LDL 저하치료를 시작하는데 있어 이 측정치가 참고가 될 수 있다. **[용법·용량]** 이 약은 식사와 관계없이 1일 1회 투여한다. 이 약을 투여하기전 또는 투여 중인 환자는 반드시 표준 콜레스테롤 저하식을 지속적으로 해야 한다. 이 약의 투여량은 환자의 LDL-콜레스테롤의 기저치, 관찰되는 치료목표치 및 환자의 반응에 따라 조절되어야 한다. **원발성 고콜레스테롤혈증** 이 약의 용량범위는 1일 10/5mg~10/20mg이다. 초화용량으로 1일 10/5mg이 권장된다. LDL-콜레스테롤 감소가 더 많이 요구되는 환자의 경우 용량을 조절하여 투여할 수 있다. 이 약의 투여를 시작한 후 또는 용량을 적정한 후에는 4주 이상의 간격을 두고 혈중 지질 수치를 확인한 후 그에 따라 용량을 조절하며, 1일 최대 10/20mg까지 증량할 수 있다. 에제티미브와 로수바스타틴을 병용으로 복용하고 있는 환자인 경우, 복용의 편리함을 위하여 이 약개개의 주성분 함량이 동일한 복합제로 전환할 수 있다. **[사용상의 주의사항]** 1. 경도 로수바스타틴 및 동일 계열의 다른 약물에서

미오글로빈뇨에 의한 이차적인 급성 신부전을 동반하는 횡문근융해가 드물게 보고되었다. 따라서 급성의 심각한 근육병증을 나타내는 환자 또는 횡문근융해에 의해 이차적으로 신부전이 발생할 수 있는 위험요소에 중증 급성 감염, 저혈압, 주요 외과수술, 외상, 중증의 대사, 내분비 및 전해질 장애, 조절되지 않는 발작을 가진 환자는 이 약의 치료를 일시적으로 보류하거나 또는 중단해야 한다. (5. 일반적 주의사항) *7)타 자세한 사항은 제품 설명서를 참조하십시오.

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- 매우 높은 중성 지방의 치료에 대해 FDA 승인

1) Mozaffarian and Wu., et al. JACC. 2011 Nov 8;58(20):2047-67.
2) Elajami and Alfaddagh., et al. J Am Heart Assoc. 2017 Jul 14;6:e004740.
3) Roberto Marchioli., et al. Lancet. 1999 Aug 7;354(9177):447-55.
4) "LOVAZA® vs. Fish-oil", lovaza.com, accessed Feb 13, 2023, <https://lovaza.com/about/lovaza-vs-fish-oil/>

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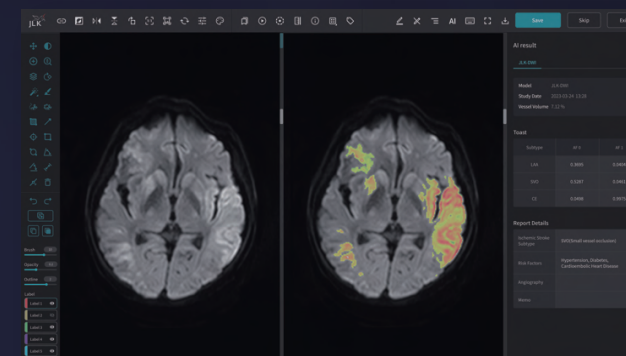
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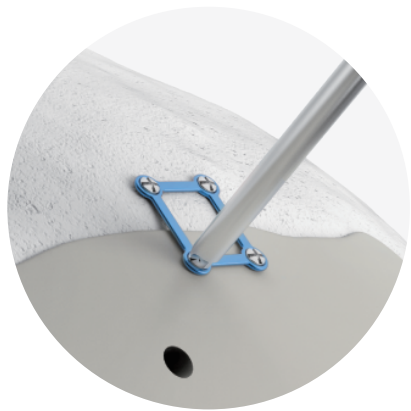
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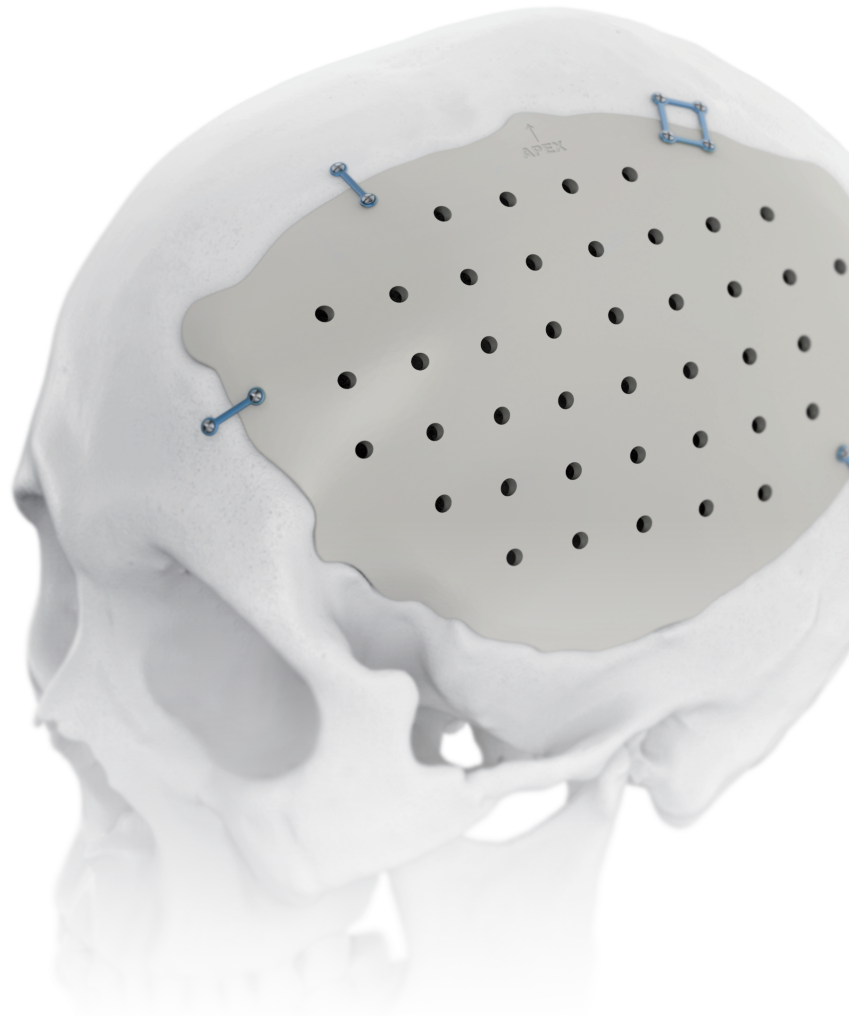
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2. Tackett, Scott M., et al. "Real-world outcomes of hemostatic matrices in cardiac
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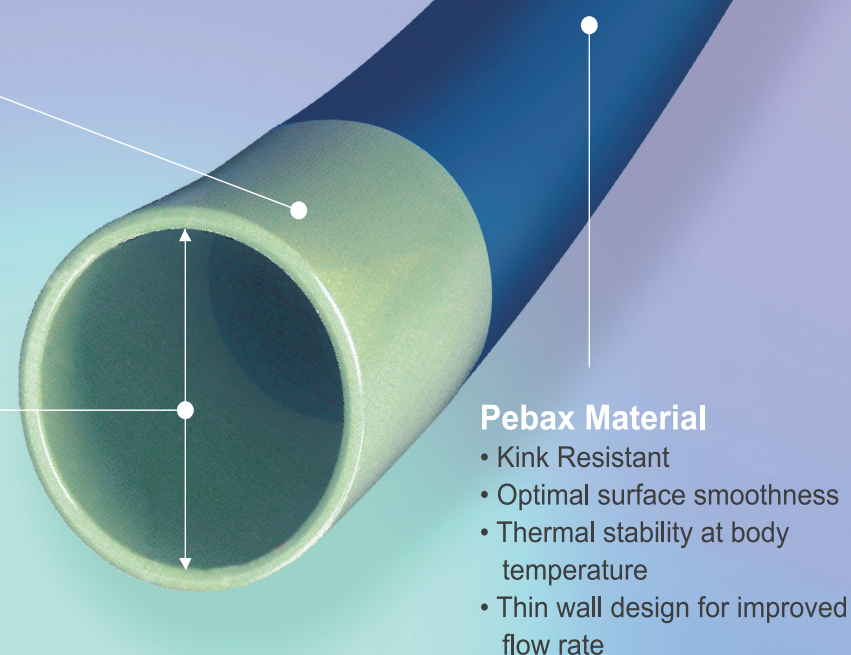
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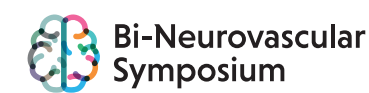
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