Editorial
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Preface : Invited Issue Editor, Professor Edward R. Smith, and the Pediatric Vascular Malformations of the Central Nervous System

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The Korean Society for Pediatric Neurosurgery (KSPN) published its journal, the *Korean Journal of Pediatric Neurosurgery* (*KJPN*), in 2004. *KJPN* was operated in a mixed Korean/English language and had contributed significantly to sharing and disseminating clinical experience in pediatric neurosurgery. However, due to the limited number of KSPN members, the number of submitted manuscripts was not sufficient. Moreover, they faced many difficulties in competing for manuscript publication with *Child's Nervous System*, which has been approved as an official journal of KSPN since 1998. In September 2014, *KJPN* closed its last issue with Volume 11, Issue 1.

KSPN replaced *KJPN* and has been publishing the Pediatric Issue as a supplement to the *Journal of the Korean Neurosurgical Society* (*JKNS*), the official journal of the Korean Neurosurgical Society, since 2015. ‘*JKNS: Pediatric Issue*’ is published annually in May to commemorate Korea's Children’s Day on the 5th, featuring the cover of *JKNS* for that month. 2024 marks the 10th anniversary of the publication of *JKNS: Pediatric Issue*. This journal has published over 10 review articles on specific topics (Table 1) and has welcomed eight world-renowned scholars in the field of pediatric neurosurgery as invited editors (Fig. 1). *JKNS: Pediatric Issue* contributes to improving the academic level of *JKNS* as well as pediatric neurosurgery.

The topic of the 2024 *JKNS Pediatric Issue* is ‘pediatric vascular malformations of central nervous system (CNS)’, which was organized by the issue’s invited editor, professor Edwards R. Smith, a world-famous pioneer in the field (Fig. 2).

Professor Smith’s training included an undergraduate education at Dartmouth College and medical school at the Columbia University College of Physicians and Surgeons. He completed his surgical internship and neurosurgical residency at Massachusetts General Hospital. This was followed by a pediatric neurosurgery fellowship at the Boston Children’s Hospital/Harvard Medical School program, and an NIH-funded postdoctoral training in the Vascular Biology Program with Dr. Marsha Moses. He is a professor at Harvard Medical School and the R. Michael Scott endowed chair in neurosurgery at Boston Children’s Hospital. He serves as the co-director of the Cerebrovascular Surgery and Interventions Center and vice-chair of the #1-ranked department of pediatric neurosurgery in the US. Additionally, he leads a translational research laboratory in the Vascular Biology Program, focusing on
the development of non-invasive biomarkers and novel therapies for brain tumors and stroke. He heads one of the largest pediatric cerebrovascular programs in the country, and innovations from his research and clinical efforts have been incorporated in current national guidelines, with the goal of improving patient outcomes.

The articles in this Pediatric Issue (pediatric vascular malformations of CNS) will undoubtedly provide readers with current concepts and future management for pediatric vascular malformations. Leading clinicians in the field from USA, UK, Canada, and Korea contributed ten articles, and worldclass scholars participated in the writing of this Pediatric Issue.

Dr. Se Hoon Kim (Pathologist, Korea) wrote a pathological review of vascular malformation of the CNS in children with diagram, and Dr. Jung-Eun Cheon (Radiologist, Korea) summarized neuroimaging of pediatric cerebral vascular malformations. Dr. Dulanka Silva from United Kingdom reviewed the natural history and clinical manifestation of pediatric arteriovenous malformations (AVM). For the treatment of pediatric vascular malformation, Dr. Edward Smith summarized the treatment of pediatric AVMs and Dr. Ji Hoon Phi (Korea) summarized the clinical features and treatment of cerebral cavernous malformations (CCM). Dr. Hyun-Seung Kang (Korea) reviewed the vein of Galen malformation (VOGM). Dr. Peter Dirks from Canada reviewed the diagnosis and treatment of spinal vascular malformations in children, and Dr. Alfred Pokmeng See from USA summarized the scalp and facial vascular malformations in children.

We deeply appreciate the brilliant minds that have actively participated in the publication of the 2024 Pediatric Issue. Through this Pediatric Issue, we hope that many doctors who face and treat the patient suffered from AVMs, CCMs, and VOGM will acquire basic and up-to-date knowledge about pediatric vascular malformations. We also hope that these small efforts will help improve the outcome of children with cerebral vascular malformations.

AUTHORS' DECLARATION
Conflicts of interest

No other potential conflict of interest relevant to this article was reported.

Data sharing

None

Preprint

None

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Table 1. Contents of JKNS: Pediatric Issue (2015~2024)

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Fig. 1. The invited authors of the *Journal of Korean Neurosurgery Society: Pediatric Issue*. From top left to bottom right: Joon-Ki Kang, Joong-Uhn Choi, James T. Rutka, Byung-Kyu Cho, Dachling Pang, Kyu-Chang Wang, Young Soo Park and Edward R. Smith.
Fig. 2. Portrait of Professor Edward R. Smith.