

麻酔専門医にとってPALSは必要か

Is it necessary for an anesthesiologist to know "PALS"? Does it matter?

*矢野 隆郎¹

*TAKAO YANO¹

1. 宮崎県立延岡病院

1. Miyazaki Prefectural Nobeoka Hospital

緒言：PALSとはPediatric Advanced Life Supportの頭文字をつなげたacronym（頭文字語）であり、単語＝固有名詞として普及している。米国心臓協会（American Heart Association、以下 AHA）が米国小児科学会（American Academy of Pediatrics、以下 AAP）などと協力して開発されてきた小児二次救命処置法のことである。北米系の小児科研修を開始もしくは修了するには、習得していることが義務付けられており、現在では欧米のみならずアジア諸国も含めて取り入れられている世界標準的なプロトコルである。我々麻酔科医は、日常的に成人のみならず小児・乳児の麻酔周術期管理の機会が多い。演者は故会ってAHAの推奨するPALSコース普及に10年近くかかわってきた。その経験を通して、今回、その歴史・内容を概説し、小児・乳児の周術期管理ばかりでなく、術前・術後管理におけるPALSの有用性を概説したい。

概要：1) PALS：用語定義 2) PALS：その歴史 3) PALS：内容（背景にある科学、小児救命の連鎖＝予防の重要性、小児評価トライアングル＝第一印象の重要性など） 4) 麻酔科医にとってのPALSの意義

結語：PALSは、麻酔科専門医であれば、標準的に身につけておくべき小児・乳児の周術期管理に必要な知識及び技術内容を提示している教育プログラムである。

Introduction : PALS is an acronym and has been generally known as a proper noun, which stands for Pediatric Advanced Life Support. It is the childhood advanced life support method that American Heart Association (AHA) has been developed in cooperation with the American Academy of Pediatrics (AAP). It is a compulsory course to accomplish for the start or complete of pediatric training of North America as well as the global standards-like pediatric emergency protocol taken in including not only Europe and America but also Asian countries now. We anesthesiologists have many opportunities of anesthesia and perioperative care of an infant and a child as well as an adult routinely. The author had a chance to start the "PALS" course recommended by AHA and have committed to its spread in about ten years. Through their experiences, I will give an outline by the history and its contents this time and, as well as perioperative care of an infant and a child, want to give an outline with usefulness of PALS during pre and post-operative management. Contents: 1) PALS: term definition 2) PALS: history 3) PALS: details (science in the background, importance of the chain of survival = prevention of the infant and child lifesaving, importance of the infant and child assessment triangle = first impression) 4) PALS :significance for anesthesiologists, Conclusion: PALS is a critical educational program showing an knowledge necessary for the perioperative care and the technique contents of the infant and child which an anesthesiologist should wear normally.