



Arizona State Board of Nursing

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An advisory opinion adopted by AZBN is an interpretation of what the law requires. While an advisory opinion is not law, it is more than a recommendation. In other words, an advisory opinion is an official opinion of AZBN regarding the practice of nursing as it relates to the functions of nursing. Facility policies may restrict practice further in their setting and/or require additional expectations related to competency, validation, training, and supervision to assure the safety of their patient population and or decrease risk.

**OPINION: INTRA OSSEOUS
CANNULATION**

APPROVED: X

DATE: 3/90

REVISED DATE: 3/95, 1/02, 3/06, 11/09

1/13

ORIGINATING COMMITTEE:

SCOPE OF PRACTICE COMMITTEE

Within the Scope of Practice of X RN _ LPN

ADVISORY OPINION INTRAOSSEOUS CANNULATION

It is within the scope of practice of a Registered Nurse (RN) to place intraosseous devices if the following requirements are met:

I. GENERAL REQUIREMENTS

- A. A written policy and procedures are maintained by the agency/employer.
- B. Only RNs who have satisfactorily completed an instructional program and have had supervised practice are allowed to insert intraosseous devices.
- C. Documentation of satisfactory completion of an instructional program, supervised practice, and competency verification is on file with the employer.

II. COURSE OF INSTRUCTION is to include but not be limited to:

- A. Anatomy and physiology of the bone and circulation
- B. Indications and contraindications for the procedure
- C. Complications and management techniques to include potential adverse reactions
- D. Selection of appropriate site and preparation of site
- E. Technique of intraosseous device insertion and removal
- F. Nursing responsibilities

III. RATIONALE

The guiding principle for this opinion is that intraosseous cannulation insertion/removal can be safely performed by a registered nurse with specialized training, skills, and knowledge.

IV. REFERENCES

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Day, M. (2009). *Intraosseous Devices for Adults: A new Life Line*. Presented at the 2009 National Teaching Institute & Critical Care Exposition. Retrieved from www.aacn.org/wd/nti2009/nti_cd/data/papers/main/30291.pdf

Gorski, L.A. (2008, June). Standard 63: Intraosseous access devices, *Journal of Infusion Nursing*, 31 (3), 146-147.

Infusion Nurses Society. (2009). *The Role of the Registered Nurse in the Insertion of Intraosseous (IO) Access Devices*. Retrieved from www.insl.org/files/public/4_20_09_Position_paper_Intraosseous.pdf

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Voigt, J., Waltzman, M., & Lottenberg, L. (2012). Intraosseous vascular access for in-hospital emergency use; a systematic clinical review of the literature and analysis. *Pediatric Emergency Care*, 28(2), 185-199.