



## ***Arizona State Board of Nursing***

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**OPINION: INTRAVENOUS ADMINISTRATION  
OF RADIOLOGIC CONTRAST MEDIA  
APPROVED DATE: 10/88  
REVISED DATE: 3/03, 7/07, 1/11, 9/14  
ORIGINATING COMMITTEE:  
SCOPE OF PRACTICE COMMITTEE**

Within the Scope of Practice of  RN  LPN

### **ADVISORY OPINION INTRAVENOUS ADMINISTRATION OF RADIOLOGIC CONTRAST MEDIA**

It is within the Scope of Practice of a Registered Nurse (RN) to administer contrast media intravenously for diagnostic radiological procedures (non coronary artery) if the following requirements are met:

#### **I. GENERAL REQUIREMENTS**

- A. A written policy and procedure is maintained by the employer.
- B. Emergency equipment is immediately available.
- C. Only an RN who has satisfactorily completed an agency's instructional program and has documented satisfactory clinical practice on file with the employer is allowed to administer intravenous contrast media.
- D. Certification in Advanced Life Support procedures suitable to the age of the patient. Advanced Cardiac Life Support (ACLS), Pediatric Advanced Life Support (PALS), Neonatal Resuscitation (NRP), and Advanced Radiology Life Support (ARLS) are immediately available.

#### **II. COURSE OF INSTRUCTION to include, but not limited to:**

- A. Anatomy and physiology indications/contraindications/complication management related to maintaining an intravenous access site for IV medication administration.
- B. Indications and contraindications for administration of contrast media.
- C. Equipment set up and safety measures appropriate for administration modality and technique.
- D. Complication and side effects management to include:
  1. Embolic phenomena
  2. Respiratory/cardiac crisis
  3. Anaphylactoid/non-anaphylactoid reactions to the substance administered
  4. Techniques to prevent and manage extravasations
  5. Age specific complication management
- E. Nursing care responsibilities related to a patient undergoing a contrast procedure.



### **III. RATIONALE**

A RN with additional training and demonstrated competency may safely administer IV radiologic contrast media.

### **IV. REFERENCES**

American College of Radiology (2013). *ACR Manual on drugs and contrast media, version 9.*

Retrieved from <http://www.acr.org/quality-%20safety/resources/~media/37D84428BF1D4E1B9A3A2918DA9E27A3.pdf/>

Bartomei & Reefsnnyder (2006). Patient care in interventional radiology. In *Policies and Procedures for Infusion Nursing*, ( 3<sup>rd</sup> ed.). Norwood, MA: Infusion Nursing Society.