



Diagnostic Accreditation Program

ACCREDITATION STANDARDS

Sonography Safety

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Introduction

In addition to the general safety (DSA) standards and patient safety (DPS) standards, the sonography safety standards provide additional modality specific requirements for the delivery of safe and quality sonography services. Appropriate and sufficient



Prevention of work-related musculoskeletal disorders (WRMSD) in sonography

| No. | Description | Risk | Reference | Change |
|-----------|---|------|-------------|--------|
| SONS1.0 | PREVENTION OF WORK-RELATED MUSCULOSKELETAL DISORDERS | | | New |
| SONS1.1 | Ergonomic resources and education are provided to reduce sonographer work-related musculoskeletal disorders. | | | New |
| SONS1.1.1 | B A liaison is established with an occupational health resource to provide guidance regarding prevention of repetitive stress injuries for individual sonographers. | | US/EC-AC-24 | New |
| SONS1.1.2 | | | | |

| | Risk | Reference | Change |
|------------------|------|-----------|--------|
| AND | | | New |
| | | | New |
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| No. | Description | Risk | Reference | Change |
|-----------|--|------|-------------|--------|
| SONS3.3.1 | M There are policies and procedures for administration of intravenous ultrasound contrast. | M | US/EC-AC-24 | New |
| SONS3.3.2 | M There are policies and procedures for sonographers who perform venipuncture. <i>Guidance: See delegated medical acts, DMA.</i> | M | US/EC-AC-24 | New |
| SONS3.4 | Intrauterine/intravesical ultrasound contrast agent follows established protocols. <i>Guidance: ultrasound contrast agents include both agitated saline and commercially available microbubble contrast media (e.g. albumin shell microbubbles).</i> | | | New |
| SONS3.4.1 | M There are policies and procedures for the administration of intrauterine/intravesical ultrasound contrast. <i>Guidance: Intravesical contrast enhanced ultrasound examinations include but are not limited to pediatric contrast enhanced voiding urosonography. Intrauterine contrast enhanced ultrasound examinations include but are not limited to Hysterosalpingography for confirming fallopian tube patency.</i> | M | US/EC-AC-24 | New |
| SONS3.5 | There is physician supervision of ultrasound contrast agent administration. <i>Guidance: Ultrasonic contrast agents include both agitated saline and commercially available contrast media (e.g. albumin shell microbubbles).</i> | | | New |
| SONS3.5.1 | M The most responsible physician supervises ultrasound contrast agent administration. <i>Guidance: Supervision means that the physician is on-site and immediately available to provide assistance and direction throughout the performance of the procedures.</i> | H | US/EC-AC-24 | New |
| SONS3.5.2 | M The method of supervision for ultrasound contrast agent procedures is identified and approved by the medical director. <i>Guidance: The medical director reviews the risks associated with the procedure and determines the most appropriate methods of supervision. The method can include</i> | | | |



| No. | Description | Risk | Reference | Change |
|-----------|---|------|-------------|--------|
| SONS3.5.4 | M The most responsible physician is knowledgeable in the recognition and treatment of adverse events (e.g. allergic reactions, extravasations). | H | US/EC-AC-24 | New |
| SONS3.6 | Sonography systems used for contrast enhanced imaging meets minimum | | | |



References

| Abbreviation | Reference |
|--------------|--|
| US/EC-AC-24 | 2024-2028 DAP Ultrasound and Echocardiography Advisory Committee Recommendation |
| SDMS-WRMSD | 2016 Consensus Conference - Society of Diagnostic Medical Sonography. Industry Standards for The Prevention of Work Related Musculoskeletal Disorders in Sonography [Internet]. Texas: Society of Diagnostic Medical Sonography; 2021. Available from: https://www.sdms.org/docs/default-source/Resources/industry-standards-for-the-prevention-of-work-related-musculoskeletal-disorders-in-sonography.pdf |
| SONOCAD-PPG | Sonography Canada. Professional Practice Guidelines and Member Policies [Internet]. Ontario: Sonography Canada; 2018. Available from: https://sonographycanada.ca/app/uploads/2019/11/PPGuideline-and-Policies-Sept-2018-FINAL.pdf |

