



## DIAGNOSTIC ACCREDITATION PROGRAM

# Accreditation Standards Diagnostic Imaging

## Version 1.6 Revision Record

### MEDICAL STAFF

Standard or criterion number	Version 1.4	Version 1.6 revision
DMS1.2.6	<b>M</b> At a minimum, for ultrasound, the medical leader visits the facility every six months.	<b>M Revised</b>  At a minimum, annual visits for ultrasound are conducted by the medical leader, or a technical delegate deemed qualified by the medical leader.  <i>Guidance: It is recommended that the technical delegate is trained in ultrasound.</i>
DMS1.2.8	<b>M</b> At a minimum, for echocardiography, the medical leader visits the facility every six months.	<b>M Revised</b>  At a minimum, annual visits for echocardiography are conducted by the medical leader, or a technical delegate deemed qualified by the medical leader.  <i>Guidance: It is recommended that the technical delegate is trained in echocardiography.</i>

## QUALITY IMPROVEMENT

Standard or criterion number	Version 1.4	Version 1.6 revision
DQI3.2.1	<b>M</b> The medical peer review program includes the following minimum elements: for each interpreting physician, a defined number of images and reports are randomly selected on a monthly basis for medical peer review.	<b>M Revised</b>  The medical peer review program includes the following minimum elements: for each interpreting physician, a defined number of images and reports are selected on a monthly basis for medical peer review.  <i>Guidance: Facilities will be asked to provide records of participation and documents that outline the procedure for how the monthly selection of images and reports are determined. Although images and reports are selected monthly, the frequency of review should be determined by the facility and reflected in the procedural documents (i.e. semi-monthly, monthly, quarterly, semi-annually etc.).</i>
DQI3.2.7	<b>M</b> Inter-observer variability amongst the interpreting physicians in the department is evaluated at least annually.	<b>Revised to best practice.</b>

## GLOBAL MODALITY

Standard or criterion number	Version 1.4	Version 1.6 revision
GM7.2.13		<b>M New</b>  If the examination is reviewed with a physician prior to reporting, the name of the physician is documented in the medical record.  <i>Guidance: If the reviewing physician is also the interpreting physician, their name does not need to be documented.</i>

## ULTRASOUND

Standard or criterion number	Version 1.4	Version 1.6 revision
US3.4.1	<b>M</b> Examinations are available for immediate review by a physician.	<b>Deleted</b>
US3.4.2	<b>M</b> If the sonograms are reviewed with a physician, the name of the physician is documented in the medical record.	<b>Deleted</b>
US8.1.1	<b>M</b> For all obstetrical ultrasound examinations, reports include starting date of the last menstrual period (LMP), if available.  <i>Guidance: If the LMP is unavailable, this must be documented in the report.</i>	<b>Replaced with US8.8.1</b>
US8.1.3		<b>M New</b>  Sonographer technical impressions (e.g. worksheets) include a clearly visible disclaimer, stating that it is a sonographer observation only and is not a diagnostic report.
US8.4.1	<b>M</b> First trimester ultrasound reports include a description of the following structures: presence or absence of yolk sac or embryo	<b>Replaced with US8.8.1</b>
US8.4.2	<b>M</b> First trimester ultrasound reports include a description of the following structures: fetal number.	<b>Replaced with US8.8.1</b>
US8.4.3	<b>M</b> First trimester ultrasound reports include a description of the following structures: location of the gestational sac.	<b>Replaced with US8.8.1</b>
US8.4.4	<b>M</b> First trimester ultrasound reports include a description of the following structures: presence or absence of cardiac activity.	<b>Replaced with US8.8.1</b>
US8.4.5	<b>M</b> First trimester ultrasound reports include a description of the following structures: fetal heart rate.	<b>Replaced with US8.8.1</b>

Standard or criterion number	Version 1.4	Version 1.6 revision
US8.4.6	<b>M</b> First trimester ultrasound reports include a description of the following structures: crown rump length (CRL).	<b>Replaced with US8.8.1</b>
US8.4.7	<b>M</b> First trimester ultrasound reports include a description of the following structures: placental location, after 9 weeks, 0 days gestation.	<b>Replaced with US8.8.1</b>
US8.4.8	<b>M</b> First trimester ultrasound reports include a description of the following structures: maternal pelvic anatomy (e.g. adnexa, ovaries, cervix).	<b>Replaced with US8.8.1</b>
US8.4.9	<b>M</b> For fetuses greater than 13 weeks, 0 days gestation, the first trimester ultrasound report template includes the head circumference (HC).	<b>Replaced with US8.8.1</b>
US8.4.10	<b>M</b> For fetuses greater than 13 weeks, 0 days gestation, first trimester ultrasound report template includes the CRL or biparietal diameter (BPD).	<b>Replaced with US8.8.1</b>
US8.4.11	<b>M</b> For fetuses greater than 13 weeks, 0 days gestation, first trimester ultrasound report template includes the abdominal circumference (AC).	<b>Replaced with US8.8.1</b>
US8.4.12	<b>M</b> For fetuses greater than 13 weeks, 0 days gestation, first trimester ultrasound report template includes the femur length (FL).	<b>Replaced with US8.8.1</b>
US8.4.13	<b>M</b> For fetuses greater than 13 weeks, 0 days gestation, first trimester ultrasound report template includes the choroid plexus.	<b>Replaced with US8.8.1</b>
US8.4.14	<b>M</b> For fetuses greater than 13 weeks, 0 days gestation, first trimester ultrasound report template includes the cardiac axis.	<b>Replaced with US8.8.1</b>

Standard or criterion number	Version 1.4	Version 1.6 revision
US8.4.15	<b>M</b> For fetuses greater than 13 weeks, 0 days gestation, first trimester ultrasound report template includes the stomach.	<b>Replaced with US8.8.1</b>
US8.4.16	<b>M</b> For fetuses greater than 13 weeks, 0 days gestation, first trimester ultrasound report template includes the fetal abdominal wall cord insertion.	<b>Replaced with US8.8.1</b>
US8.4.17	<b>M</b> For fetuses greater than 13 weeks, 0 days gestation, first trimester ultrasound report template includes the presence of four limbs.	<b>Replaced with US8.8.1</b>
US8.4.18	<b>M</b> For fetuses greater than 13 weeks, 0 days gestation, first trimester ultrasound report template includes the presence or absence of bladder.	<b>Replaced with US8.8.1</b>
US8.4.19	<b>M</b> If nuchal translucency (NT) measurements are made, first trimester ultrasound report template includes an NT measurement in mm to 1 decimal point.	<b>Replaced with US8.8.1</b>
US8.4.20	<b>M</b> If nuchal translucency (NT) measurements are made, first trimester ultrasound report template includes the Fetal Maternal Foundation (FMF) certification number of the individual performing the NT measurement.	<b>Replaced with US8.8.1</b>
US8.4.21	<b>M</b> If nuchal translucency (NT) measurements are made, first trimester ultrasound report template includes standard comments established by the Prenatal Genetic Screening Program.	<b>Replaced with US8.8.1</b>
US8.5.1	<b>M</b> Second trimester ultrasound reports include a description of the fetal number.	<b>Replaced with US8.8.2</b>
US8.5.2	<b>M</b> Second trimester ultrasound reports include a description of the fetal position (after 23 weeks, 0 days).	<b>Replaced with US8.8.2</b>

Standard or criterion number	Version 1.4	Version 1.6 revision
US8.5.3	<b>M</b> Second trimester ultrasound reports include a description of the presence or absence of cardiac activity.	<b>Replaced with US8.8.2</b>
US8.5.4	<b>M</b> Second trimester ultrasound reports include a description of the fetal heart rate.	<b>Replaced with US8.8.2</b>
US8.5.5	<b>M</b> Second trimester ultrasound reports include a description of the cardiac axis.	<b>Replaced with US8.8.2</b>
US8.5.6	<b>M</b> Second trimester ultrasound reports include a description of the head circumference (HC).	<b>Replaced with US8.8.2</b>
US8.5.7	<b>M</b> Second trimester ultrasound reports include a description of the CRL or biparietal diameter (BPD).	<b>Replaced with US8.8.2</b>
US8.5.8	<b>M</b> Second trimester ultrasound reports include a description of the abdominal circumference (AC).	<b>Replaced with US8.8.2</b>
US8.5.9	<b>M</b> Second trimester ultrasound reports include a description of the femur length (FL).	<b>Replaced with US8.8.2</b>
US8.5.10	<b>M</b> Second trimester ultrasound reports include a description of the choroid plexus.	<b>Replaced with US8.8.2</b>
US8.5.11	<b>M</b> Second trimester ultrasound reports include a description of the stomach.	<b>Replaced with US8.8.2</b>
US8.5.12	<b>M</b> Second trimester ultrasound reports include a description of the placental cord insertion.	<b>Replaced with US8.8.2</b>
US8.5.13	<b>M</b> Second trimester ultrasound reports include a description of the presence of four limbs.	<b>Replaced with US8.8.2</b>
US8.5.14	<b>M</b> Second trimester ultrasound reports include a description of the presence or absence of bladder.	<b>Replaced with US8.8.2</b>

Standard or criterion number	Version 1.4	Version 1.6 revision
US8.5.15	<b>M</b> Second trimester ultrasound reports include a description of the amniotic fluid volume.	<b>Replaced with US8.8.2</b>
US8.5.16	<b>M</b> Second trimester ultrasound reports include a description of the placenta (e.g. number, if multiple)	<b>Replaced with US8.8.2</b>
US8.5.17	<b>M</b> Second trimester ultrasound reports include a description of the cervix.	<b>Replaced with US8.8.2</b>
US8.5.18	<b>M</b> Second trimester ultrasound reports include a description of the maternal pelvic anatomy (e.g. uterus).	<b>Replaced with US8.8.2</b>
US8.5.19	<b>M</b> Second trimester ultrasound reports include an indication of whether fetal soft markers were performed and the markers assessed.	<b>Replaced with US8.8.2</b>
US8.5.20	<b>M</b> Second trimester ultrasound reports include a comprehensive summary of the fetal anatomy assessment (if performed).	<b>Replaced with US8.8.2</b>
US8.6.1	<b>M</b> Fetal anatomy assessment reports include a description of the head that includes the cerebellum, cisterna magna, cavum septi pellucidi, choroid plexus and cerebral lateral ventricles.	<b>Replaced with US8.8.3</b>
US8.6.2	<b>M</b> Fetal anatomy assessment reports include a description of the face and neck that includes the orbits, lips, and nuchal thickness (fold) or nuchal index.	<b>Replaced with US8.8.3</b>
US8.6.3	<b>M</b> Fetal anatomy assessment reports include a description of the chest that includes the heart (axis and position), cardiac outflow tracts (LVOT, RVOT) or short axis view and a four chamber view.	<b>Replaced with US8.8.3</b>

Standard or criterion number	Version 1.4	Version 1.6 revision
US8.6.4	<b>M</b> Fetal anatomy assessment reports include a description of the abdomen that includes the stomach, bladder, abdominal wall, abdominal cord insertion, bowel, number of umbilical cord vessels and kidneys.	<b>Replaced with US8.8.3</b>
US8.6.5	<b>M</b> Fetal anatomy assessment reports include a description of the spine that includes the cervical, thoracic, lumbar and sacral spine.	<b>Replaced with US8.8.3</b>
US8.6.6	<b>M</b> Fetal anatomy assessment reports include a description of the extremities that includes the presence or absence of the four limbs and the presence or absence of the hands and feet.	<b>Replaced with US8.8.3</b>
US8.6.7	<b>M</b> Fetal anatomy assessment reports include a description of the genitalia (e.g. male or female or not determined)	<b>Replaced with US8.8.3</b>
US8.7.1	<b>M</b> Third trimester ultrasound reports include a description of the fetal number.	<b>Replaced with US8.8.4</b>
US8.7.2	<b>M</b> Third trimester ultrasound reports include a description of the fetal position (after 23 weeks, 0 days).	<b>Replaced with US8.8.4</b>
US8.7.3	<b>M</b> Third trimester ultrasound reports include a description of the presence or absence of cardiac activity.	<b>Replaced with US8.8.4</b>
US8.7.4	<b>M</b> Third trimester ultrasound reports include a description of the fetal heart rate.	<b>Replaced with US8.8.4</b>
US8.7.5	<b>M</b> Third trimester ultrasound reports include a description of the cardiac outflow tracts or short axis.	<b>Replaced with US8.8.4</b>
US8.7.6	<b>M</b> Third trimester ultrasound reports include a description of the four chambers of the heart.	<b>Replaced with US8.8.4</b>



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US8.7.7	<b>M</b> Third trimester ultrasound reports include a description of the stomach.	<b>Replaced with US8.8.4</b>
US8.7.8	<b>M</b> Third trimester ultrasound reports include a description of the bladder.	<b>Replaced with US8.8.4</b>
US8.7.9	<b>M</b> Third trimester ultrasound reports include a description of the kidneys.	<b>Replaced with US8.8.4</b>
US8.7.10	<b>M</b> Third trimester ultrasound reports include a description of the head circumference (HC).	<b>Replaced with US8.8.4</b>
US8.7.11	<b>M</b> Third trimester ultrasound reports include a description of the CRL or biparietal diameter (BPD).	<b>Replaced with US8.8.4</b>
US8.7.12	<b>M</b> Third trimester ultrasound reports include a description of the abdominal circumference (AC).	<b>Replaced with US8.8.4</b>
US8.7.13	<b>M</b> Third trimester ultrasound reports include a description of the femur length (FL).	<b>Replaced with US8.8.4</b>
US8.7.14	<b>M</b> Third trimester ultrasound reports include a description of the amniotic fluid volume.	<b>Replaced with US8.8.4</b>
US8.7.15	<b>M</b> Third trimester ultrasound reports include a description of the placenta (e.g. number, if multiple; location; relationship to the internal cervical os)	<b>Replaced with US8.8.4</b>
US8.7.16	<b>M</b> Third trimester ultrasound reports include a description of the cervix (if less than 32 weeks, 0 days).	<b>Replaced with US8.8.4</b>
US8.7.17	<b>M</b> Third trimester ultrasound reports include an estimation of the appropriateness of interval growth.	<b>Replaced with US8.8.4</b>
US8.7.18	<b>M</b> Third trimester ultrasound reports include a comprehensive summary of the fetal anatomy assessment (if performed).	<b>Replaced with US8.8.4</b>

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US8.8.1		<p><b>M New</b></p> <p>First trimester ultrasound reports meet Perinatal Services BC (PSBC) Obstetrical Ultrasound Assessment Standards.</p> <p><i>Intent: First trimester is defined as up to and including 14 weeks.</i></p> <p><i>Guidance: Refer to <a href="http://www.perinatalervicesbc.ca/Documents/Guidelines-Standards/Standards/Ultrasound/PSBCUltrasoundAssessmentStandards.pdf">http://www.perinatalervicesbc.ca/Documents/Guidelines-Standards/Standards/Ultrasound/PSBCUltrasoundAssessmentStandards.pdf</a> for the applicable standards.</i></p> <p><i>The report includes the following:</i></p> <ul style="list-style-type: none"> <li>• <i>presence or absence of yolk sac or embryo</i></li> <li>• <i>fetal number</i></li> <li>• <i>location of the gestational sac</i></li> <li>• <i>presence or absence of cardiac activity</i></li> <li>• <i>fetal heart rate.</i></li> <li>• <i>crown rump length (CRL).</i></li> <li>• <i>placental location, after 9 weeks, 0 days gestation</i></li> <li>• <i>maternal pelvic anatomy (e.g. adnexa, ovaries, cervix)</i></li> </ul> <p><i>For fetuses greater than 11 weeks 0 days</i></p> <ul style="list-style-type: none"> <li>• <i>head circumference (HC)</i></li> <li>• <i>biparietal diameter (BPD)</i></li> <li>• <i>choroid plexus filled ventricles</i></li> <li>• <i>stomach</i></li> <li>• <i>symmetrical lung fields</i></li> <li>• <i>presence of four limbs each with three segments</i></li> <li>• <i>abdominal wall cord insertion</i></li> </ul>

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US8.8.1		<p><b>M</b> <i>If nuchal translucency (NT) measurements are performed when CRL is between 45.0–84.0mm</i></p> <ul style="list-style-type: none"> <li>• <i>NT measurement in mm to one decimal point</i></li> <li>• <i>the Fetal Maternal Foundation (FMF) certification number of the individual performing the NT measurement</i></li> <li>• <i>the standard comments established by the Prenatal Genetic Screening Program</i></li> </ul>
US8.8.2		<p><b>M</b> <b>New</b></p> <p>Second trimester ultrasound reports meet Perinatal Services BC (PSBC) Obstetrical Ultrasound Assessment Standards.</p> <p><i>Intent: Second trimester is defined as 14 weeks, 1 day to 26 weeks, 6 days.</i></p> <p><i>Guidance: Refer to <a href="http://www.perinataleservicesbc.ca/Documents/Guidelines-Standards/Standards/Ultrasound/PSBCUltrasoundAssessmentStandards.pdf">http://www.perinataleservicesbc.ca/Documents/Guidelines-Standards/Standards/Ultrasound/PSBCUltrasoundAssessmentStandards.pdf</a> for the applicable standards.</i></p> <p><i>The report includes the following:</i></p> <ul style="list-style-type: none"> <li>• <i>presence or absence of cardiac activity</i></li> <li>• <i>fetal heart rate (FHR)</i></li> <li>• <i>cardiac axis</i></li> <li>• <i>fetal number</i></li> <li>• <i>head circumference (HC)</i></li> <li>• <i>biparietal diameter (BPD)</i></li> <li>• <i>abdominal circumference (AC)</i></li> <li>• <i>femur length (FL)</i></li> <li>• <i>lateral ventricles</i></li> <li>• <i>choroid plexus</i></li> <li>• <i>stomach</i></li> </ul>

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US8.8.2		<p><b>M</b></p> <ul style="list-style-type: none"> <li>• <i>kidneys</i></li> <li>• <i>presence of bladder</i></li> <li>• <i>presence of four limbs, each with three segments</i></li> <li>• <i>placental and abdominal cord insertion</i></li> <li>• <i>number of umbilical cord vessels</i></li> <li>• <i>a description of the amniotic fluid volume (e.g. polyhydramnios, oligohydramnios, absent or normal)</i></li> <li>• <i>a description of the placenta (e.g. number, if multiple; location; relationship to the internal cervical os)</i></li> <li>• <i>a description of the cervix</i></li> <li>• <i>fetal position (after 23 weeks 0 day)</i></li> <li>• <i>maternal pelvic anatomy (e.g. uterus)</i></li> <li>• <i>an indication of whether fetal soft markers were performed and the markers assessed</i></li> <li>• <i>a comprehensive summary of the fetal anatomy assessment (if performed)</i></li> </ul>
US8.8.3		<p><b>M New</b></p> <p>Fetal anatomy assessment reports meet Perinatal Services BC (PSBC) Obstetrical Ultrasound Assessment Standards.</p> <p><i>Intent: A detailed fetal anatomy assessment should be performed between 18 weeks, 0 days and 22 weeks, 6 days and is typically performed during the second trimester ultrasound examination.</i></p> <p><i>Guidance: Refer to</i>  <a href="http://www.perinatalervicesbc.ca/Documents/Guidelines-Standards/Standards/Ultrasound/PSBCUltrasoundAssessmentStandards.pdf">http://www.perinatalervicesbc.ca/Documents/Guidelines-Standards/Standards/Ultrasound/PSBCUltrasoundAssessmentStandards.pdf</a> for the applicable standards.</p>

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US8.8.3		<p><b>M</b> <i>The report includes the following:</i></p> <p><i>Head</i></p> <ul style="list-style-type: none"><li><i>cerebellum</i></li><li><i>cisterna magna</i></li><li><i>cavum septi pellucidi</i></li><li><i>choroid plexus</i></li></ul> <p><i>Face and neck</i></p> <ul style="list-style-type: none"><li><i>orbits</i></li><li><i>lips</i></li><li><i>nuchal thickness (fold) or Nuchal index (if applicable)</i></li></ul> <p><i>Chest</i></p> <ul style="list-style-type: none"><li><i>heart axis and position</i></li><li><i>cardiac outflow tracts (LVOT, RVOT) or short axis view</i></li><li><i>four-chamber view</i></li></ul> <p><i>Abdomen</i></p> <ul style="list-style-type: none"><li><i>stomach</i></li><li><i>bladder</i></li><li><i>abdominal wall</i></li><li><i>abdominal umbilical cord insertion</i></li><li><i>bowel</i></li><li><i>number of umbilical cord vessels</i></li><li><i>kidneys</i></li><li><i>a description of the cervical, thoracic, lumbar and sacral spine</i></li><li><i>presence or absence of four limbs each with three segments</i></li><li><i>presence or absence of hands and feet</i></li></ul>

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US8.8.3		<p><b>M</b></p> <ul style="list-style-type: none"> <li><i>a description of the genitalia (e.g. male or female or not determined)</i></li> </ul> <p><i>Intent: A reasonable attempt is made to assess fetal genitalia, but the examination time must not be extended for the sole purpose of determining fetal sex.</i></p>
US8.8.4		<p><b>M New</b></p> <p>Third trimester ultrasound reports meet Perinatal Services BC (PSBC) Obstetrical Ultrasound Assessment Standards.</p> <p><i>Intent: Third trimester is defined as after 27 weeks.</i></p> <p><i>Guidance: Refer to <a href="http://www.perinatalservicesbc.ca/Documents/Guidelines-Standards/Standards/Ultrasound/PSBCUltrasoundAssessmentStandards.pdf">http://www.perinatalservicesbc.ca/Documents/Guidelines-Standards/Standards/Ultrasound/PSBCUltrasoundAssessmentStandards.pdf</a> for the applicable standards.</i></p> <p><i>The report includes the following:</i></p> <ul style="list-style-type: none"> <li><i>presence or absence of cardiac activity</i></li> <li><i>fetal heart rate (FHR)</i></li> <li><i>fetal number</i></li> <li><i>a description of the amniotic fluid volume (single deepest pocket SDP)</i></li> <li><i>fetal position</i></li> <li><i>a description of the placenta (e.g. number, if multiple; location; relationship to the internal cervical os)</i></li> <li><i>a description of the cervix if less than 32 weeks old</i></li> <li><i>head circumference (HC)</i></li> <li><i>biparietal diameter (BPD)</i></li> <li><i>abdominal circumference (AC)</i></li> <li><i>femur length (FL)</i></li> </ul>

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US8.8.4		<p><b>M</b></p> <ul style="list-style-type: none"> <li>heart four-chamber view</li> <li>cardiac outflow tracts (LVOT, RVOT) or short axis</li> <li>stomach</li> <li>bladder</li> <li>kidneys</li> <li>a comprehensive summary of the fetal anatomy assessment (if performed)</li> </ul> <p><i>Guidance: When performing an ultrasound examination in the third trimester and a complete second trimester anatomic ultrasound assessment has not been performed, every effort should be made to assess and document those structures listed US8.8.3.</i></p>
US11.1.1	Ultrasound systems are equipped with real-time, 2D grey-scale imaging.	<b>M</b> <b>Changed to mandatory requirement.</b>
US11.1.2	Ultrasound systems are equipped with M-mode imaging.	<b>M</b> <b>Changed to mandatory requirement.</b>
US11.1.3	Ultrasound systems are equipped with colour and pulsed Doppler.	<p><b>M</b> <b>Revised</b></p> <p>Ultrasound systems are equipped with colour, power and pulsed Doppler.</p> <p><b>Changed to mandatory requirement.</b></p>
US11.1.4	Ultrasound systems are equipped with power Doppler.	<b>Deleted and incorporated into US11.1.3.</b>
US11.1.6	Ultrasound systems are equipped with harmonic imaging.	<b>M</b> <b>Changed to mandatory requirement.</b>
US11.1.7	Ultrasound systems are equipped with an endocavity transducer for prostate or rectal imaging.	<b>M</b> <b>Changed to mandatory requirement.</b>

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US11.1.8	Ultrasound systems are equipped with an endovaginal transducer, with a frequency of $\geq 7$ MHz, for early obstetric and gynecologic imaging	<b>M Revised</b>  Ultrasound systems are equipped with for early obstetric and gynecologic imaging, an endovaginal transducer with a frequency of greater than or equal to 7 MHz.
US11.1.9	Ultrasound systems are equipped with for small parts imaging, a linear transducer with a frequency of $\geq 7.5$ MHz.	<b>M Revised</b>  Ultrasound systems are equipped with for small parts imaging, a linear transducer with a frequency of greater than or equal to 7.5 MHz.
US13.1.1	<b>M</b> Daily quality control testing includes a visual inspection of the system and probes for probe damage and overall system cleanliness.	<b>M Revised</b>  Daily quality control testing includes a visual inspection of the ultrasound system and transducers.  <i>Guidance: The inspection includes an assessment for cable kinks, and probe housing and membrane damage.</i>
US13.2.1	<b>M</b> Semi-annual quality control testing includes a physical and mechanical inspection of the system and probes.	<b>Deleted</b>
US13.2.2	Semi-annual quality control testing includes a uniformity assessment for all routinely used probes.	<b>Deleted</b>

## ECHOCARDIOGRAPHY

Standard or criterion number	Version 1.4	Version 1.6 revision
EC2.1.1	Patient height and weight are accurately measured and documented.	<b>M Changed to mandatory requirement.</b>
EC3.4.1	<b>M</b> Examinations are available for immediate review by a physician.	<b>Deleted</b>



Standard or criterion number	Version 1.4	Version 1.6 revision
EC3.4.2	<b>M</b> If the echocardiograms are reviewed with a physician, the name of the physician is documented in the medical record.	<b>Deleted</b>
EC4.2.2	<b>M</b> Contraindications are assessed prior to administration (e.g. patients with known or suspected right-to-left, bidirectional, or transient right to left cardiac shunts, unstable cardiopulmonary conditions, previous contrast reaction, relevant allergies, etc.).	<b>M Revised</b>  Contraindications to intravenous ultrasonic contrast agents are assessed prior to administration (e.g. previous contrast reaction, relevant allergies, etc.).
EC4.2.4	<b>M</b> There are dose protocols for adults.	<b>M Revised</b>  There are intravenous ultrasonic contrast agent dose protocols as per manufacturer's recommendations.
EC4.2.8	There is a procedure for monitoring patients after receiving contrast medium.	<b>Deleted</b>
EC4.3.1	<b>M</b> A cardiologist, radiologist or a designated physician is responsible for direct supervision.	<b>M Revised</b>  A cardiologist, radiologist or a designated physician is responsible for direct supervision.  <i>Guidance: Direct supervision means that the physician is on-site and immediately available to provide assistance and direction throughout the performance of the procedures.</i>
EC8.1.1	Reports include patient's height and weight.	<b>M Changed to mandatory requirement.</b>
EC8.1.4		<b>M New</b>  Sonographer technical impressions (e.g. worksheets) include a clearly visible disclaimer, stating that it is a sonographer observation only and is not a diagnostic report.

Standard or criterion number	Version 1.4	Version 1.6 revision
EC8.4.5	<b>M</b> Each report includes a description of the pulmonary artery.	<b>Changed to best practice.</b>
EC8.4.7	<b>M</b> Each report includes a description of the pulmonary veins.	<b>Changed to best practice.</b>
EC8.4.8	<b>M</b> Each report includes a description of the interatrial septum and interventricular septum.	<b>Changed to best practice.</b>
EC8.4.9		<b>M New</b> The report includes a description of the following: a description of pericardial effusion if it is present.
EC11.1.3	<b>M</b> Echocardiography systems are equipped with colour, pulsed, tissue, power and continuous wave Doppler	<b>M Revised</b> Echocardiography systems are equipped with colour, pulsed, tissue, and continuous wave Doppler
EC11.1.9	Echocardiography systems are equipped with multi-planar probes for TEE.	<b>M Changed to mandatory requirement.</b>
EC11.2.2	Echocardiography equipment used for contrast enhanced imaging has real-time perfusion imaging or ultralow mechanical-index mode.  <i>Guidance: These imaging techniques have been specifically developed to take advantage of the nonlinear response of microbubble contrast agents to an ultrasound field.</i>	<b>Deleted</b>
EC13.1.1	<b>M</b> Daily testing of the echocardiography system includes a visual inspection of the system and probes.	<b>M Revised</b> Daily quality control testing includes a visual inspection of the echocardiography system and transducers.  <i>Guidance: The inspection includes an assessment for cable kinks, and probe housing and membrane damage.</i>

Standard or criterion number	Version 1.4	Version 1.6 revision
EC13.2.1	<p><b>M</b> Testing includes semi-annual quality control procedures include a physical and mechanical inspection of the system and probes.</p>	<b>Deleted</b>
EC13.2.2	<p>Testing includes semi-annual quality control procedures include a uniformity assessment for all routinely used probes.</p> <p><i>Guidance: It is recommended that this assessment be performed by a cardiac sonographer to ensure proper imaging technique.</i></p>	<b>Deleted</b>