OB Essentials POCUS Learning Modules Curriculum Outline

Domains	Description	Module Content %	Summative Assessment %	Resources and References
Introduction to POCUS OB Essentials	Define POCUS Ob Essentials: 1. Define scope of Ob Essentials 2. Explain its significance in clinical practice	13%	12%	1.Jain V, O'Quinn C, Van den Hof M. Guideline No. 421: point of care ultrasound in obstetrics and gynaecology. J Obstet Gynaecol Can. 2021;43(9):1094-1099. https://pubmed.ncbi.nlm.nih.gov/34242823/ 2.Cresswell JA, Ronsmans C, Calvert C, Filippi V. Prevalence of placenta praevia by world region: a systematic review and meta-analysis. Trop Med Int Health. 2013;18(6):712-724. https://pubmed.ncbi.nlm.nih.gov/23551357/
Female Pelvic Anatomy	Identify and Interpret basic Female Pelvic Anatomy : 1. Review the basic Female Pelvic Anatomy. 2. Recognize the anatomical regions of the uterus	9%	8%	1.Dobaria DG, Tafti D, Cohen HL. Pelvic ultrasound. In: StatPearls. Updated Jan 22, 2025. https://www.ncbi.nlm.nih.gov/books/NBK470360/ 2.AIUM practice parameter for the performance of pelvic ultrasound examinations. American Institute of Ultrasound in Medicine. https://www.aium.org/docs/default-source/resources/image-libraries/gynecology.pdf
Principles of Ultrasound Imaging	Explain the fundamental principles of ultrasound imaging in POCUS Ob Essentials: 1. Describe the systematic approach to conducting a OB Basics ultrasound, detailing patient positioning, probe/preset selection, imaging planes, scan technique and performing required measurements. 2. Develop a standardized protocol for image acquisition to ensure consistency and reproducibility in POCUS OB Essentails examination.	22%	24%	1.Kurzweil A, Martin J. Transabdominal ultrasound. In: StatPearls. 2022. https://www.ncbi.nlm.nih.gov/books/NBK534813/ 2.Genobaga S, Dinh V, Ahn J, et al. Obstetric/OB ultrasound made easy: step-by-step guide. POCUS 101. https://www.pocus101.com/obstetric-ob-ultrasound-made-easy-step-by-step-guide/ 3.Menakaya U, Condous G. The retroverted uterus: refining the description of the real-time dynamic sliding sign. Australas J Ultrasound Med. 2013;16(3):97. https://pmc.ncbi.nlm.nih.gov/articles/PMC5029993/ 4.Kurzweil A, Martin J. Transabdominal ultrasound. In: StatPearls. 2022. https://www.ncbi.nlm.nih.gov/books/NBK534813/ 5.Genobaga S, Dinh V, Ahn J, et al. Obstetric/OB ultrasound made easy: step-by-step guide. POCUS 101. https://www.pocus101.com/obstetric-ob-ultrasound-made-easy-step-by-step-guide/ 6.AIUM practice parameter for the performance of pelvic ultrasound examinations. https://www.aium.org/docs/default-source/resources/image-libraries/gynecology.pdf

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Ultrasound Findings and Correlation with Anatomy	Identify and interpret sonographic findings related to the bladder: • Identify and describe normal and abnormal sonographic appearances of pregnancy across gestational stages. • Perform core obstetric ultrasound measurements to estimate gestational age and evaluate fetal growth. • Assess fetal well-being using ultrasound-derived parameters such as cardiac activity, placental characteristics, and amniotic fluid. • Recognize sonographic features of common pregnancy-related complications and apply appropriate standardized terminology when reporting findings.	37%	40%	Refer to the next few pages for the list of resources and references

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Resources and References

Ultrasound Findings and Correlation with Anatomy

- Rodgers SK, et al. A lexicon for first-trimester US: Society of Radiologists in Ultrasound Consensus Conference recommendations. Radiology. 2024. https://doi.org/10.1148/radiol.240122
- Nahlawi S, Gari N. Sonography transvaginal assessment, protocols, and interpretation. In: StatPearls. 2022. https://www.ncbi.nlm.nih.gov/books/NBK572084/
- Salomon LJ, Alfirevic Z, Da Silva Costa F, et al. ISUOG practice guidelines: ultrasound assessment of fetal biometry and growth. Ultrasound Obstet Gynecol. 2019;53(6):715-723. https://obgyn.onlinelibrary.wiley.com/doi/10.1002/uog.20272
- Gaillard F, Sandhyala A. Spalding sign (fetal demise). Reference article, Radiopaedia.org. https://doi.org/10.53347/rID-2065
- Soo YS, Wong WK. Three common radiological signs of intrauterine fetal death. J Asian Fed Obstet Gynaecol. 1971;2:20-26.
- Rodgers SK, Horrow MM, Doubilet PM, et al. A lexicon for first-trimester US: Society of Radiologists in Ultrasound Consensus Conference recommendations. Am J Obstet Gynecol. 2025;232(1):1-16.
- Rodgers SK, Horrow MM, Doubilet PM, et al. A lexicon for first-trimester US: Society of Radiologists in Ultrasound Consensus Conference recommendations. Radiology. 2024 / Am J Obstet Gynecol. 2025;232(1):1-16. https://doi.org/10.1148/radiol.240122
- Cresswell JA, Ronsmans C, Calvert C, Filippi V. Prevalence of placenta praevia by world region: a systematic review and meta-analysis. Trop Med Int Health. 2013;18(6):712-724. https://pubmed.ncbi.nlm.nih.gov/23551357/
- Detti L, Gordon JC, Christiansen ME, et al. Diagnosis of placental position by early first-trimester ultrasound: a pilot study. Reprod Sci. 2019;26(11):1512-1518. https://pubmed.ncbi.nlm.nih.gov/30791823/
- Zia S. Placental location and pregnancy outcome. J Turk Ger Gynecol Assoc. 2013;14(4):190-193. https://pmc.ncbi.nlm.nih.gov/articles/PMC3935544/
- Jauniaux E, Bhide A. Prenatal ultrasound diagnosis and outcome of placenta previa accreta after cesarean delivery: a systematic review and meta-analysis. Am J Obstet Gynecol. 2017;217(1):27-36. https://pubmed.ncbi.nlm.nih.gov/28268196/
- Abu-Rustum RS. Placenta previa: practical approach to sonographic evaluation and management. Contemp Ob Gyn. 2019;64(11). https://www.contemporaryobgyn.net/view/placenta-previa-practical-approach-sonographic-evaluation-and-management

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- Salomon LJ, Alfirevic Z, Da Silva Costa F, et al. ISUOG practice guidelines: ultrasound assessment of fetal biometry and growth. Ultrasound Obstet Gynecol. 2019;53(6):715-723. https://obgyn.onlinelibrary.wiley.com/doi/10.1002/uog.20272
- Gaillard F, Sandhyala A. Spalding sign (fetal demise). Reference article, Radiopaedia.org. https://doi.org/10.53347/rID-2065
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- Rodgers SK, Horrow MM, Doubilet PM, et al. A lexicon for first-trimester US: Society of Radiologists in Ultrasound Consensus Conference recommendations. Am J Obstet Gynecol. 2025;232(1):1-16.
- Rodgers SK, Horrow MM, Doubilet PM, et al. A lexicon for first-trimester US: Society of Radiologists in Ultrasound Consensus Conference recommendations. Radiology. 2024 / Am J Obstet Gynecol. 2025;232(1):1-16. https://doi.org/10.1148/radiol.240122
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- Detti L, Gordon JC, Christiansen ME, et al. Diagnosis of placental position by early first-trimester ultrasound: a pilot study. Reprod Sci. 2019;26(11):1512-1518. https://pubmed.ncbi.nlm.nih.gov/30791823/
- Zia S. Placental location and pregnancy outcome. J Turk Ger Gynecol Assoc. 2013;14(4):190-193. https://pmc.ncbi.nlm.nih.gov/articles/PMC3935544/
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- Abu-Rustum RS. Placenta previa: practical approach to sonographic evaluation and management. Contemp Ob Gyn. 2019;64(11). https://www.contemporaryobgyn.net/view/placenta-previa-practical-approach-sonographic-evaluation-and-management
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- Radswiki T, Haouimi A, Jones J, et al. Deepest vertical pocket method. Reference article, Radiopaedia.org. https://doi.org/10.53347/rID-14752
- Weerakkody Y, Walizai T, Worsley C, et al. Amniotic fluid index. Reference article, Radiopaedia.org. https://doi.org/10.53347/rID-13597
- Abuhamad A, ed. Amniotic fluid assessment. Chapter 9. In: Ultrasound in Obstetrics and Gynecology: A Practical Approach. Global Library of Women's Medicine. https://www.glowm.com/pdf/ultrasound_in_obstetrics_and_gynecology-chapter9.pdf
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- Stanislavsky A, Jones J, Loomba S, et al. Femur length (obstetric ultrasound). Reference article, Radiopaedia.org. https://doi.org/10.53347/rID-26433
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- Fried AW, Cloutier M, Woodring JH, Shier RW. Sonography of the transverse fetal lie. AJR Am J Roentgenol. 1984;142(2):421-423. https://www.ajronline.org/doi/10.2214/ajr.142.2.421

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- Oyinloye OI, Okoyomo AA. Longitudinal evaluation of foetal transverse lie using ultrasonography. Afr J Reprod Health. 2010;14(1):129-133. https://www.ajrh.info/index.php/ajrh/article/view/480

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- Lesson reiterates the SRU lexicon for terminology; canonical home is Lesson 15 — treat this as a cross-reference rather than a fourth full citation.

- Nahlawi S, Gari N. Sonography transvaginal assessment, protocols, and interpretation. In: StatPearls. 2022. https://www.ncbi.nlm.nih.gov/books/NBK572084/ Direct match — lesson states TVUS is critical to localize an ectopic pregnancy.

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Integration of Ultrasound into Management: **Clinical Examples**	Evaluate and integrate sonographic findings with clinical information for diagnostic purposes: • Synthesize ultrasound findings with clinical data to categorize cases as normal, non-urgent abnormal, or requiring urgent intervention. • Formulate appropriate follow-up, consultation, or escalation steps based on obstetric ultrasound findings within one's scope of practice.	14%	16%	Jain V, O'Quinn C, Van den Hof M. Guideline No. 421: point of care ultrasound in obstetrics and gynaecology. J Obstet Gynaecol Can. 2021;43(9):1094-1099. https://pubmed.ncbi.nlm.nih.gov/34242823/
Conclusion	Summarize key concepts and skills related to OB POCUS Essentials	95%	100%	----