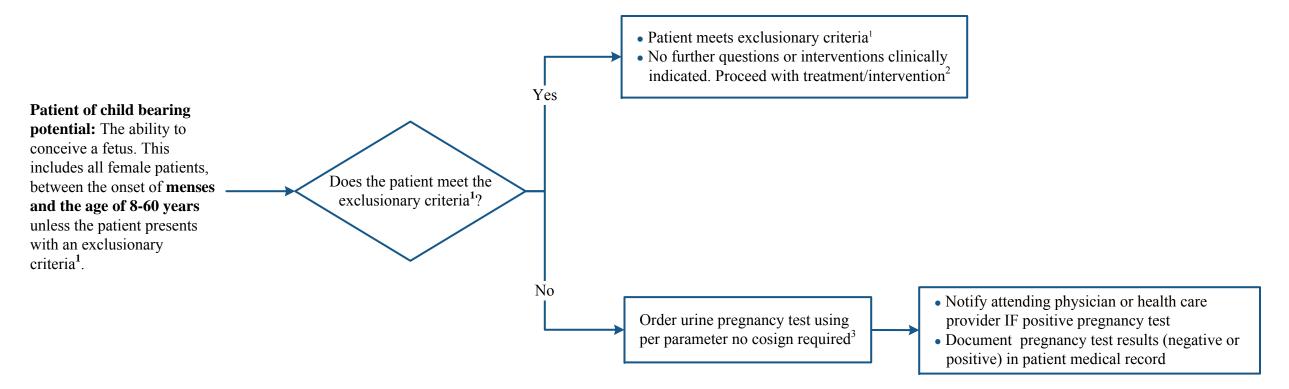
Pregnancy Screening

This practice algorithm has been specifically developed for MD Anderson using a multidisciplinary approach and taking into consideration circumstances particular to MD Anderson, including the following: MD Anderson's specific patient population; MD Anderson's services and structure; and MD Anderson's clinical information. Moreover, this algorithm is not intended to replace the independent medical or professional judgment of physicians or other health care providers.



¹Patient may present with one of the following exclusion criteria: postmenopausal (no menses in greater than or equal to 12 consecutive months), hysterectomy or bilateral salpingo-oophorectomy, ovarian failure (Follicle Stimulating Hormone (FSH) and Estradiol in menopausal range, and/or who have received whole pelvic radiation therapy), and/or tubal ligation or another surgical sterilization procedure.

² Chemotherapy, surgery, diagnostic imaging, radiation therapy and other procedures.

³ Within 7 days before the start of initial chemotherapy, surgery, diagnostic imaging, radiation therapy and other procedures, or 30 days after an initial urine pregnancy test, and prior to any chemotherapy, surgery, diagnostic imaging, radiation therapy and other procedures.

MD Anderson Pregnancy Screening

This practice algorithm has been specifically developed for MD Anderson using a multidisciplinary approach and taking into consideration circumstances particular to MD Anderson, including the following: MD Anderson's specific patient population; MD Anderson's services and structure; and MD Anderson's clinical information. Moreover, this algorithm is not intended to replace the independent medical or professional judgment of physicians or other health care providers.

SUGGESTED READINGS

- ACR-SPR practice parameter for imaging pregnant or potentially pregnant adolescents and women with Ionizing Radiation. 2014.
- Apfelbaum, J. L., Connis, R. T., Nickinovich, D. G., Pasternak, L. R., Arens, J. F., Caplan, R. A., . . . American Society of Anesthesiologists Task Force on Preanesthesia Evaluation. (2012).
- Practice advisory for preanesthesia evaluation: An updated report by the american society of anesthesiologists task force on preanesthesia evaluation. *Anesthesiology*, 116(3), 522-538. doi:10.1097/ALN.0b013e31823c1067
- Applegate, K. (2007). Pregnancy screening of adolescents and women before radiologic testing: does radiology need a national guideline? *Journal of the American College of Radiology*, 4(8):533-536.
- Balk, E.M., Earley A., Hadar, N., Shah, N., & Trikalinos, T.A. (2014). Benefits and harms of routine preoperative testing: comparative effectiveness [Internet]. Rockville (MD): Agency for Healthcare Research and Quality (US); (Comparative Effectiveness Reviews, No. 130.) Available from: http://www.ncbi.nlm.nih.gov/books/NBK184821/
- Canadian Agency for Drugs and Technologies in Health. (2015). Pre-Operative Pregnancy Testing in Women of Childbearing Age: Cost-Effectiveness and Guidelines.
- Card R, Sawyer M, Degnan B, Institute for Clinical Systems Improvement. Perioperative Protocol. Updated March 2014.
- Hutzler, L., Kraemer, K., Palmer, N., Albert, D., & Bosco, J. A. (2014). Cost benefit analysis of same day pregnancy tests in elective orthopaedic surgery. *Bulletin of the NYU Hospital for Joint Diseases*, 72(2), 164-166.
- James, D. J., Cardew, P., & Warren-Forward, H. M. (2013). Pregnancy screening strategies for diagnostic nuclear medicine: Survey results from australia and new zealand. *Journal of Nuclear Medicine Technology*, 41(3), 216-222. doi:10.2967/jnmt.113.120626
- James, D. J., Cardew, P., & Warren-Forward, H. M. (2011). Determining the pregnancy status of patients before diagnostic nuclear medicine procedures: The Australian experience. *Journal of Nuclear Medicine Technology*, 39(3), 220-225. doi:10.2967/jnmt.111.088740
- James, D. J., Cardew, P., & Warren-Forward, H. M. (2013). Pregnancy screening strategies for potentially challenging patients before diagnostic nuclear medicine procedures: Qualitative survey analysis. *Journal of Nuclear Medicine Technology*, 41(4), 292-298. doi:10.2967/jnmt.113.125856
- Kahn, R. L., Stanton, M. A., Tong-Ngork, S., Liguori, G. A., Edmonds, C. R., & Levine, D. S. (2008). One-year experience with day-of-surgery pregnancy testing before elective orthopedic procedures. *Anesthesia and Analgesia*, 106(4), 1127-1131. doi:10.1213/ane.0b013e31816788df
- Koren, G., Carey, N., Maxwell, C., Gagnon, R., Maxwell, C., Nulman, I., . . . Society of Obstetricians and Gynaecologists of Canada. (2013). Cancer chemotherapy and pregnancy. Journal of Obstetrics and Gynaecology Canada: JOGC = Journal d'Obstétrique Et Gynécologie Du Canada: JOGC, 35(3), 263-280;278;. doi:10.1016/S1701-2163(15)30999-3
- de Lima, G., Gomes, D., Gensas, C., Simao, M., Rios, M., Pires, L., . . . Leiria, T. (2013). Risk of ionizing radiation in women of childbearing age undergoing radiofrequency ablation. *Arquivos Brasileiros De Cardiologia, 101*(5), 418-421. doi:10.5935/abc.20130192

Anderson Pregnancy Screening

This practice algorithm has been specifically developed for MD Anderson using a multidisciplinary approach and taking into consideration circumstances particular to MD Anderson, including the following: MD Anderson's specific patient population; MD Anderson's services and structure; and MD Anderson's clinical information. Moreover, this algorithm is not intended to replace the independent medical or professional judgment of physicians or other health care providers.

SUGGESTED READINGS

- Rushton, C., Munro, B., Johnston, G. (2014). Pregnancy testing prior to diagnostic and interventional imaging: RCN best practice for imaging nurses and health care assistants. Royal College of Nursing. Available from: https://www.rcn.org.uk/_data/assets/pdf_file/0017/601253/Pregnancy_testing.pdf
- Silberstein, E. B. (2013). The timing of pregnancy testing in 131I therapy. Journal of Nuclear Medicine, 54(2), 327. doi:10.2967/jnumed.112.115071
- Takalkar, A. M., Khandelwal, A., Lokitz, S., Lilien, D. L., & Stabin, M. G. (2011). 18F-FDG PET in pregnancy and fetal radiation dose estimates. *Journal of Nuclear Medicine*, 52(7), 1035-1040. doi:10.2967/jnumed.110.085381
- Palmer, S. K., Van Norman, G. A., & Jackson, S. L. (2009). Routine pregnancy testing before elective anesthesia is not an american society of anesthesiologists standard. *Anesthesia and Analgesia*, 108(5), 1715-1716. doi:10.1213/ane.0b013e31819b34cf
- Watts, J. C., Wong, S. Z., Faithfull, T. J., Wylde, K., & McGurgan, P. M. (2014). Looking for the second patient: Current practice and opinion on pre-operative pregnancy testing in western australia. *Australian and New Zealand Journal of Obstetrics and Gynaecology*, 54(1), 20-25. doi:10.1111/ajo.12161
- Wong, L. F. A., & Wingfield, M. (2013). Pre-operative testing for pregnancy in dublin day surgery units. *Irish Journal of Medical Science*, 182(2), 231-235. doi:10.1007/s11845-012-0867-9

MDAnderson Pregnancy Screening Cancer Center This practice algorithm has been specifically developed for MDA.

This practice algorithm has been specifically developed for MD Anderson using a multidisciplinary approach and taking into consideration circumstances particular to MD Anderson, including the following: MD Anderson's specific patient population; MD Anderson's services and structure; and MD Anderson's clinical information. Moreover, this algorithm is not intended to replace the independent medical or professional judgment of physicians or other health care providers.

DEVELOPMENT CREDITS

This practice consensus algorithm is based on majority expert opinion of the Nursing Work Group at the University of Texas MD Anderson Cancer Center. It was developed using a multidisciplinary approach that included input from the following core group members

> Tamu M. Abreu, MSN,RN Roxy K Blackburn, MSN,RN, OCN Brenda Brown, MSN,RN, NE, OCN LaTasha Burns, RN, MBA, NE, CPHQ Alita Campbell, BSN, RN, OCN Jalyna K. Cook, MSN, MBA, RN Yvette DeJesus, MSN, RN, OCN Stella N. Dike, MSN, RN, OCN Shauna L. Fenton, RN, MSN, BA Reji M. Jacob, MSN, RN, OCN Julie Lindenberg, DNP, RN, FNP-BC, DCC Kathy McCarvy, RN, OCN Beth R. Soletsky, BSN, RN Gloria Trowbridge, BSN, RN Anita M. Williams, BS[•]

Clinical Effectiveness Development Team