



TITLE: Follow-up Imaging for Simple Adnexal Cysts: Clinical Evidence, Cost-Effectiveness and Guidelines

DATE: 5 November 2013

RESEARCH QUESTIONS

1. What is the clinical evidence regarding follow-up imaging for small simple adnexal cysts?
2. What is the cost effectiveness of follow-up imaging for small simple adnexal cysts?
3. What are the evidence-based guidelines for follow-up imaging and management of small simple adnexal cysts?

KEY MESSAGE

Two non-randomized studies and three evidence-based guidelines were identified pertaining to follow-up imaging for small, simple, adnexal cysts. No relevant economic information was identified.

METHODS

A limited literature search was conducted on key resources including PubMed, The Cochrane Library (2013, Issue 10), University of York Centre for Reviews and Dissemination (CRD) databases, Canadian and major international health technology agencies, as well as a focused Internet search. No filters were applied to limit the retrieval by study type. Where possible, retrieval was limited to the human population. The search was also limited to English language documents published between Jan 1, 2009 and Oct 31, 2013. Internet links were provided, where available.

RESULTS

Rapid Response reports are organized so that the higher quality evidence is presented first. Therefore, health technology assessment reports, systematic reviews, and meta-analyses are

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presented first. These are followed by randomized controlled trials, non-randomized studies, economic evaluations, and evidence-based guidelines.

Two non-randomized studies and three evidence-based guidelines were identified pertaining to follow-up imaging for small, simple, adnexal cysts. No relevant health technology assessment reports, systematic reviews, meta-analyses, randomized controlled trials, or economic information was identified. Additional references of potential interest are provided in the appendix.

Health Technology Assessments

No literature identified.

Systematic Reviews and Meta-analyses

No literature identified.

Randomized Controlled Trials

No literature identified.

Non-Randomized Studies

Women of Childbearing Age

1. Brady PC, Simpson LL, Lewin SN, Smok D, Lerner JP, D'Alton ME, et al. Safety of conservative management of ovarian masses during pregnancy. *J Reprod Med*. 2013 Sep;58(9-10):377-82.
[PubMed: PM24050025](#)

All ages

2. Wang S, Johnson S. Prediction of benignity of solid adnexal masses. *Arch Gynecol Obstet*. 2012 Mar;285(3):721-6.
[PubMed: PM21858439](#)

Economic Evaluations

No literature identified.

Guidelines and Recommendations

3. Harris RD, Javitt MC, Glanc P, Brown DL, Dubinsky T, et al. ACR Appropriateness Criteria® clinically suspected adnexal mass [Internet]. Reston (VA): American College of Radiology; 2012. [cited 2013 Nov 5]. Available from:
<http://www.acr.org/~media/ACR/Documents/AppCriteria/Diagnostic/ClinicallySuspectedAdnexalMass.pdf>
Summary available from: <http://www.guideline.gov/content.aspx?id=43882>
4. Management of suspected ovarian masses in premenopausal women [Internet]. London: Royal College of Obstetricians and Gynaecologists; 2011 Nov. (Green-top Guideline No. 62). [cited 2013 Nov 5]. Available from: <http://www.rcog.org.uk/files/rcog->

[corp/GTG62_021211_OvarianMasses.pdf](#)

See Section 6

5. American College of Obstetricians and Gynecologists (ACOG). Management of adnexal masses [Internet]. Washington (DC): American College of Obstetricians and Gynecologists (ACOG); 2007, reaffirmed 2011. Jul. 14 p. (ACOG practice bulletin; no. 83). [cited 2013 Nov 5]. Summary available from:
<http://www.guideline.gov/content.aspx?f=rss&id=12631>

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APPENDIX – FURTHER INFORMATION:

Guidelines – rigour of methodology unclear

6. Levine D, Brown DL, Andreotti RF, Benacerraf B, Benson CB, Brewster WR, et al. Management of asymptomatic ovarian and other adnexal cysts imaged at US: Society of Radiologists in Ultrasound Consensus Conference Statement. Radiology [Internet]. 2010 Sep [cited 2013 Nov 5];256(3):943-54. Available from: <http://pubs.rsna.org/doi/full/10.1148/radiol.10100213>
7. Le T, Giede C, Salem S, Lefebvre G, Rosen B, Bentley J, et al. Initial evaluation and referral guidelines for management of pelvic/ovarian masses. J Obstet Gynaecol Can. 2009 Jul;31(7):668-80. [PubMed: PM19761648](#)

Review Articles

8. Brown DL, Dudiak KM, Laing FC. Adnexal masses: US characterization and reporting. Radiology. 2010 Feb;254(2):342-54. [PubMed: PM20089722](#)

Additional References

9. Ghosh E, Levine D. Recommendations for adnexal cysts: have the Society of Radiologists in Ultrasound consensus conference guidelines affected utilization of ultrasound? Ultrasound Q. 2013 Mar;29(1):21-4. [PubMed: PM23358210](#)
10. Harris RD, Javitt MC, Glanc P, Brown DL, Dubinsky T, Harisinghani MG, et al. ACR Appropriateness Criteria(R) clinically suspected adnexal mass. Ultrasound Q. 2013 Mar;29(1):79-86. [PubMed: PM23358212](#)