

Supplement 2. Excluded articles

Did not provide information according to histological types

1. Burghardt E, Girardi F, Lahousen M, Tamussino K, Stettner H. Patterns of pelvic and paraaortic lymph node involvement in ovarian cancer. *Gynecol Oncol*. Feb 1991;40(2):103-6. doi:10.1016/0090-8258(91)90099-q
2. Kanazawa K, Suzuki T, Tokashiki M. The validity and significance of substage IIIC by node involvement in epithelial ovarian cancer: impact of nodal metastasis on patient survival. *Gynecol Oncol*. May 1999;73(2):237-41. doi:10.1006/gyno.1999.5349
3. Pickel H, Lahousen M, Stettner H, Girardi F. The spread of ovarian cancer. *Baillieres Clin Obstet Gynaecol*. Mar 1989;3(1):3-12. doi:10.1016/s0950-3552(89)80036-7
4. Suzuki M, Ohwada M, Yamada T, Kohno T, Sekiguchi I, Sato I. Lymph node metastasis in stage I epithelial ovarian cancer. *Gynecol Oncol*. Nov 2000;79(2):305-8. doi:10.1006/gyno.2000.5951

Literature review

1. Lago V, Minig L, Fotopoulou C. Incidence of Lymph Node Metastases in Apparent Early-Stage Low-Grade Epithelial Ovarian Cancer: A Comprehensive Review. *Int J Gynecol Cancer*. Oct 2016;26(8):1407-14. doi:10.1097/igc.0000000000000787

Did not include low-grade tumors

1. Timmers PJ, Zwinderman K, Coens C, Vergote I, Trimbos JB. Lymph node sampling and taking of blind biopsies are important elements of the surgical staging of early ovarian cancer. *Int J Gynecol Cancer*. Oct 2010;20(7):1142-7. doi:10.1111/igc.0b013e3181ef8e03
2. Bizzarri N, du Bois A, Fruscio R, et al. Is there any therapeutic role of pelvic and para-aortic lymphadenectomy in apparent early stage epithelial ovarian cancer? *Gynecologic Oncology*. 2021;160(1):56-63.
3. Brockbank EC, Harry V, Kolomainen D, et al. Laparoscopic staging for apparent early stage ovarian or fallopian tube cancer. First case series from a UK cancer centre and systematic literature review. *Eur J Surg Oncol*. Aug 2013;39(8):912-7. doi:10.1016/j.ejso.2013.05.007
4. Knipscheer RJ. Para-aortal lymph nodes dissection in 20 cases of primary epithelial ovary carcinoma stage I (Figo): influence on staging. *Eur J Obstet Gynecol Reprod Biol*. Aug 1982;13(5):303-7. doi:10.1016/0028-2243(82)90053-3

Did not provide separate information for early-stage low-grade serous tumors

1. Bacalbasa N, Balescu I, Vilcu M, et al. The Risk of Para-Aortic Lymph Node Metastases in Apparent Early Stage Ovarian Cancer. *Medicina (Kaunas)*. Mar 3 2020;56(3)doi:10.3390/medicina56030108
2. Baiocchi, Raspagliesi, Grosso, Fontanelli, Cobellis, Re D. Early ovarian cancer: Is there a role for systematic pelvic and para-aortic lymphadenectomy? *International Journal of Gynecological Cancer*. 1998;8(2):103-108. doi:<https://doi.org/10.1046/j.1525-1438.1998.09758.x>
3. Benedetti-Panici P, Greggi S, Maneschi F, et al. Anatomical and pathological study of retroperitoneal nodes in epithelial ovarian cancer. *Gynecol Oncol*. Nov 1993;51(2):150-4. doi:10.1006/gyno.1993.1263
4. Cass I, Li AJ, Runowicz CD, et al. Pattern of lymph node metastases in clinically unilateral stage I invasive epithelial ovarian carcinomas. *Gynecol Oncol*. Jan 2001;80(1):56-61. doi:10.1006/gyno.2000.6027
5. Chan JK, Munro EG, Cheung MK, et al. Association of lymphadenectomy and survival in stage I ovarian cancer patients. *Obstet Gynecol*. Jan 2007;109(1):12-9. doi:10.1097/01.AOG.0000249610.95885.ef
6. Chang SJ, Bristow RE, Ryu HS. Analysis of para-aortic lymphadenectomy up to the level of the renal vessels in apparent early-stage ovarian cancer. *J Gynecol Oncol*. Jan 2013;24(1):29-36. doi:10.3802/jgo.2013.24.1.29
7. Deng T, Huang Q, Wan T, et al. The impact of lymph node dissection on survival in patients with clinical early-stage ovarian cancer. *J Gynecol Oncol*. May 2021;32(3):e40. doi:10.3802/jgo.2021.32.e40
8. Desteli GA, Gultekin M, Usubutun A, Yuce K, Ayhan A. Lymph node metastasis in grossly apparent clinical stage Ia epithelial ovarian cancer: Hacettepe experience and review of literature. *World J Surg Oncol*. Nov 30 2010;8:106. doi:10.1186/1477-7819-8-106
9. Garcia-Soto AE, Boren T, Wingo SN, Heffernen T, Miller DS. Is comprehensive surgical staging needed for thorough evaluation of early-stage ovarian carcinoma? *Am J Obstet Gynecol*. Mar 2012;206(3):242.e1-5. doi:10.1016/j.ajog.2011.08.022
10. Grabowski JP, Glajzer J, Richter R, et al. Lymphovascular space invasion and Ki67 as predictors of lymph node metastasis in primary low grade serous ovarian cancer. *Int J Gynecol Cancer*. Jan 2021;31(1):98-103. doi:10.1136/ijgc-2020-001950
11. Harter P, Gnauert K, Hils R, et al. Pattern and clinical predictors of lymph node metastases in epithelial ovarian cancer. *Int J Gynecol Cancer*. Nov-Dec 2007;17(6):1238-44. doi:10.1111/j.1525-1438.2007.00931.x
12. Lee CL, Kusunoki S, Huang CY, Wu KY, Lee PS, Huang KG. Surgical and survival outcomes of laparoscopic staging surgery for patients with stage I ovarian cancer. *Taiwan J Obstet Gynecol*. Feb 2018;57(1):7-12. doi:10.1016/j.tjog.2017.12.002

13. Lepinay K, Szubert S, Lewandowska A, et al. The association between lymph node metastases and long-term survival in patients with epithelial ovarian cancer. *Contemp Oncol (Pozn)*. 2020;24(3):163-171. doi:10.5114/wo.2020.99029
14. Li X, Xing H, Li L, et al. Clinical significance of para-aortic lymph node dissection and prognosis in ovarian cancer. *Front Med*. Mar 2014;8(1):96-100. doi:10.1007/s11684-014-0316-4
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17. Morice P, Joulie F, Camatte S, et al. Lymph node involvement in epithelial ovarian cancer: analysis of 276 pelvic and paraaortic lymphadenectomies and surgical implications. *J Am Coll Surg*. Aug 2003;197(2):198-205. doi:10.1016/s1072-7515(03)00234-5
18. Nomura H, Tsuda H, Susumu N, et al. Lymph node metastasis in grossly apparent stages I and II epithelial ovarian cancer. *Int J Gynecol Cancer*. Apr 2010;20(3):341-5. doi:10.1111/IGC.0b013e3181cf6271
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