Peritoneal cytology (Non-core)

Positive peritoneal cytology is no longer part of the International Federation of Gynaecology and Obstetrics (FIGO) Staging System, but the results of the peritoneal cytology may provide risk-stratification. As a consequence, consideration for adjuvant therapy may be discussed in multidisciplinary tumour board meetings. Positive peritoneal cytology has been shown to be an independent prognostic factor for serous carcinoma regardless of stage and it will be important to report for other invasive carcinomas.¹⁻⁴

There is lack of consensus in the literature regarding the prognostic significance of positive peritoneal washings in the absence of other evidence of extrauterine spread, and it is also unclear whether the method of hysteroscopy or operative procedure may influence the likelihood of positive peritoneal washings.⁵ FIGO and the Union for International Cancer Control (UICC) recommend to record positive peritoneal washings but without altering the tumour stage.^{4,6}

References

- Abu-Rustum N, Yashar C, Bradley K, Campos SM, Chon HS, Chu C, Clinton L, Cohn D, Crispens MA, Damast S, Diver E, Fisher C, Frederick P, Gaffney DK, George S, Giuntoli R, Han E, Huh WK, Lea J, Mariani A, Mutch D, Nagel C, Nekhlyudov L, Nickles Fader A, Remmenga SW, Reynolds RK, Salani R, Sisodi R, Soliman P, Tanner E, Tillmanns T, Ueda S, Urban R, Wyse E (2020). NCCN Clinical Practice Guidelines in Oncology (NCCN Guidelines) Uterine Neoplasms. Available from: https://www.nccn.org/professionals/physician_gls/pdf/uterine.pdf (Accessed 3rd December 2020).
- 2 Han KH, Park NH, Kim HS, Chung HH, Kim JW and Song YS (2014). Peritoneal cytology: a risk factor of recurrence for non-endometrioid endometrial cancer. *Gynecol Oncol* 134(2):293-296.
- 3 Hanley KZ, Fadare O, Fisher KE, Atkins KA and Mosunjac MB (2016). Clinical significance of positive pelvic washings in uterine papillary serous carcinoma confined to an endometrial polyp. *Int J Gynecol Pathol* 35(3):249-255.
- 4 FIGO Committee on Gynecological Cancer (2009). Revised FIGO staging for carcinoma of the vulva, cervix and endometrium. *Int. J. Gynecol. Obstet.* 105:103-104.
- Singh N, Hirschowitz L, Zaino R, Alvarado-Cabrero I, Duggan MA, Ali-Fehmi R, Euscher E, Hecht JL, Horn LC, Ioffe O, Matias-Guiu X, McCluggage WG, Mikami Y, Ordi J, Parkash V, Quddus MR, Quick CM, Staebler A, Zaloudek C, Nucci M, Malpica A and Oliva E (2019). Pathologic prognostic factors in endometrial carcinoma (other than tumor type and grade). *Int J Gynecol Pathol* 38 Suppl 1(Iss 1 Suppl 1):S93-s113.
- 6 Brierley JD, Gospodarowicz MK and Wittekind C (eds) (2016). *UICC TNM Classification of Malignant Tumours, 8th Edition*, Wiley, USA.