

Bölüm 3

ERKEN VE LOKAL İLERİ EVRE SERVİKS KANSERİNDE CERRAHİ TEDAVİ

Ramazan BAYIRLI

GİRİŞ

Uluslararası Jinekoloji ve Obstetri Federasyonunun (FIGO) Jinekolojik Onkoloji komitesi tarafından 2009 daki serviks kanseri evrelemesinde erken evre olarak 1A1,1A2,1B1,1B2 ve 2A1 i kabul edilmiştir(1). Bilindiği gibi aynı komite 2018 yılında klinik evrelemeden çok görüntüleme yöntemleri ve patolojik bulguları içine alan yeniden gözden geçirilmiş serviks kanseri evrelemesini yayımlamıştır(Tablo 1). En son yayınlanan bu evreleme sisteminde erken evrenin yanına 1B3,2A2 de alınmış ve bu iki evre lokal ileri serviks kanseri olarak adlandırılmıştır(2). FIGO nun kriterlerine göre serviks kanseri olgularının %60-70 i erken evrede tanı alır(3).

Tablo 1.FIGO 2018*Erken Evre ve Lokal İleri Evre Serviks Kanseri

Erken evre	Lokal ileri evre	İleri evre
1A1, 1A2, 1B1, 1B2, 2A1	1B3,2A2	2B-4B

*(FIGO 2009 Serviks kanseri evrelemesinin yeniden gözden geçirilmesi)

Serviks kanserinde tedavi 1900 lü yıllarda multi modal bir sistematikle ortaya çıkmıştır. Klasik radikal cerrahi, radyoterapi ve kemoterapi ön planda olmuş. İki binli yıllarda yaşam kalitesi ,genel sağ kalım, progresyonsuz ve hastalıksız sağ kalım gibi parametreler ön planda olmaya başlar(4) .Bu gelişmeler tedavinin kişiselleşmesine doğru bir eğilim ortaya çıkarır. Bugün serviks kanserinin tedavisinde radikal cerrahi tedavinin yerini; minimal invaziv cerrahi(Konvensiyonel /Robotik/ laparoskopi),sinir koruyucu cerrahi, fertilité koruyucu cerrahi ve sentinel lenf nodu haritalaması gibi daha az radikal cerrahiyi yaklaşımalar almıştır(5).

nodu uygulamalarının sađkalım sonuçlarını gösteren randomize çalışmalar halen devam etmekte olup, literaturun bu konuda doyurulması serviks kanserinde SLN uygulamalarının rutine girmesi için oldukça önem arz etmektedir(46). Bu husus- ta en önemli çalışma 2021 yılında tamamlanması beklenen SENTIX çalışmasıdır. Lokal ileri evre kanserlerde lateral olarak genişletilmiş paremetrektomi, kompart- man rezeksiyonu olarak adlandırılan total mezometriyal rezeksiyon teknikleri ile ilgili olarakta çalışmalar birikmeye başlamıştır(47).

Erken evre ve lokal ileri evre kanserde gelecek; akıllı makinelerin kullanıldığı multidisipliner aynı zamanda olguya özel bireyselleştirilmiş tedavinin olacaktır.

KAYNAKLAR

1. FIGO Comitte on Gynecologic Oncology,Revised FIGO staging for carcinoma of the vulva,cervix and endometrium. *Int J Gynecol Obstet* 2009;105:103-4.
2. Bhatla, N, Berek, J, Cuello, M, et al. New revised FIGO staging of cervical cancer (2018). Abstract S020.2. Presented at the FIGO XXII World Congress of Gynecology and Obstetrics. Rio de Janeiro, Brazil, October 14-19, 2018. *Int J Gynecol Obstet* 2018; 143(Suppl.3):DOI:
3. Ayhan A. Erken Evre Serviks Kanserinde Yönetim. *Jinekolojik Onkoloji* 2013;43:363-4.
4. Hoskins W,Perez CA, Young RC(2005). Principles and Practice of Gynecologic Oncology. Lip- pincott Philedelphia (Fourth edition) Williams &Wilkins.
5. Clane JR, Lua RE, Covens A. Surgery for early stage cervical cancer: How radical should it be? *Gynecologic Oncology* 131(2013);222-30.
6. Covens A et al. Prognostic factors for relapse and pelvic lymphnode metastases in early stage I adenocarcinoma of the cervix. *Gynecol Oncol* 1999; 74:423-7.
7. Milliken DA,Shepherd JH. Fertility preserving surgery for carcinoma of the cervix. *Curr Opin Oncol* 2008; 20: 575-80.
8. Roman LD, Felix JC, Muderspach LI et al. Risk of residual invasive disease in woman with microinvasive squamous cancer in a conization specimen. *Obstet Gynecol* 1997;90:759-64.
9. Takeshima N, Yanoh K, Tabata T et al. Assesment of the revised International Federation of Gynecology and Obstetrics Staging for early invasive squamous cervical cancer. *Gynecol Oncol* 1999;74:165-9.
10. ACOG pratice bulletin. Diagnosis and treatment of cervical carcinoma. No:35, May 2002.
11. Fregnani JH, SOares FA, Novik PR, Lopes A, Latorre MR. Unusual risk factors for lymph node metastases in cancer of the uterine cervix. *Rev Assoc Med Bras* 2007; 53(4): 338-43
12. Sevin BU, Nadji M, Averette HE, Hilsenbeck S, Smith D, Lampe B. Microinvasive carcinoma of the cervix. *Cancer* 1992; 70: 2121-8.
13. Nav JH, Kim SH, Kim JH, Kim YM, Kim YT, Mork JE. Nonradical treatment is as effective as radical surgery in the management of the cervical cancer stage IAI . *Int J Gynecol Cancer* 2002; 12:480-4.
14. Bats AS, Mathevet P, Buenerd A et al. The sentinel node technique detects unexpected drainage pathways and allows nodal ultrastaging in early cervical cancer: in sights from the multicenter prospective SENTICOL study. *Ann Surg Oncol* 2013; 20: 413-22.
15. Cibula, D., Pötter, R., Chiva, L., Planchamp, F., Avall-Lundqvist,E., Cibula, D., ... Raspollini, M., R. (2018). The European Society of GynaecologicalOncology/European Society for Radiotherapy and Oncology/European Society of Pathology Guidelines for the Management of Patients With Cervical Cancer. *International Journal of GynecologicalCancer*, 28(4), 641-655
16. Kodama J, Mizutani Y, Hongo A, Yoshinouchi M, Kudo T, Okuda H. Optimal surgery and diagnostic approach of stage IA2 squamous cell carcinoma of the cervix. *Eur J Gynecol Obstet Reprod Biol* 2002;101: 192-195.5.

17. Kara PP, Ayhan A, Caner B, Gültekin M, Uğur O, Bozkurt MF, Usubutun A. Sentinel lymph node detection in early stage cervical cancer: a prospective study comparing preoperative lymphoscintigraphy, intraoperative gamma probe and blue dye. *Ann Nucl Med.* 2008 July; 22(6): 487-94
18. Östör A. Early invasive adenocarcinoma of the uterine cervix. *It J Gynecol Pathol* 2000; 19: 29-38.
19. Hirai Y, Takeshima N, Tate S et al. Early invasive cervical adenocarcinoma : Its potential for nodal metastases or recurrence. *Obstet Gynecol* 2003; 110: 241-46.
20. Schorge JO, Lee KR, Flynn CE et al. Stage IAI cervical adenocarcinoma; definition and treatment. *Obstet Gynecol* 1999; 93:219-22.
21. Neerja B, Daisuke A, Doya NS, Rengaswamy S. Cancer of the cervix uteri. *Int J Gynecol Obstet* 2018; 143(suppl.2): 22-36.
22. Landoni F, Maneo A, Colombo A et al. Randomised study of radical surgery versus radiotherapy for stage Ib- IIa cervical cancer. *Lancet* 1997; 350: 335-40.
23. Atahan IL, Yıldız F, Ozya E, Pehlivan B, Genç M, Köse MF, Tulunay G, Ayhan A, Yüce K, Gülen N, Küçükali T. Radiotherapy in the adjuvant setting of cervical carcinoma: treatment, results and prognostic factors. *Int J Gynecol Cancer* 2007 July-Aug; 17(4):813-20
24. Frumont M, Sun CC, Schovert R et al. Quality of life and sexual functioning in cervical cancer survivors. *J Clin Oncol* 2005;23:7428-36.
25. National Comprehensive Cancer Network Guidelines Version 1.2017 Cervical neoplasm
26. Rob L, Strnad P, Robova H et al. Study of lymphatic mapping and identification in early stage cervical cancer. *Gynecol Oncol* 2005; 98: 281-88.
27. Bats AS, Mathevet P, Buenerd A et al. The sentinel node technique detects unexpected drainage pathways and allows nodal ultrastaging in early cervical cancer. *Gynecol Oncol* 2005; 98: 281-88.
28. Altgassen C, Hertel H, Brandstadt A et al. Multicenter validation study of the sentinel lymph nodes concept in cervical cancer: AGO study group. *J Clin Oncol* 2008; 26: 2943-51.
29. Querleu D, Cibula D & Abu-Rustum NR. 2017 update on the Querleu-Marrow classification of Radical Hysterectomy. *Ann Surg Oncol* (2017).
30. Keys HM, Bundy BN, Stehman FB et al. Radiation therapy with and without extrafacial hysterectomy for bulky stage Ib cervical carcinoma a randomized trial of the Gynecologic Oncology Group. *Gynecol Oncol* 2003; 89:343-53.
31. Peters WA, Lui PY, Barrett RJ et al. Concurrent Chemotherapy and pelvic radiation therapy compared with pelvic radiation therapy alone as adjuvant therapy after radical surgery in high risk early stage cancer of the cervix. *J Clin Oncol.* 2000; 18:1606-13.
32. Neoadjuvant Chemotherapy for local advanced cervical cancer: A systematic review and meta-analysis of individual patient data from 21 randomized trials. *Eur J Cancer* 2003;39: 2470-86.
33. Dastidar GA, Gupta P, Basu B, Shah JK, Seal SL. Is neo adjuvant chemotherapy a better option for management of cervical cancer patients of rural India? *Indian J Cancer* 2016;53:1:56-9.
34. Covens A, Rosen B, Murphy J et al. Changes in the demographics and perioperative care of stage Ia2/Ib1 cervical cancer over the past 16 years. *Gynecol Oncol* 2001;81:133-7.
35. Dargent D, Brun Jl, Roy M, Mathevet P. Wide trachelectomy: an alternative radical treatment to hysterectomy in selected cancer. *J Obs Gyn* 1994; 2: 285-92.
36. Yeasmin S, Nakayama K, Ishikawa M, Nakayama N, Miyazaki K. A case of bilateral lymph node involvement in stage Ia1 squamous cell carcinoma of cervix and a review of the literature. *Int J Clin Oncol* 2009 Dec; 14(6): 564-7.
37. Hempling RE. Cervical Cancer In: Hand book of Gynecologic Oncology. Piver MS(Ed). Second edition. Little,Brown and Company, Boston, 1996 :103-30.
38. Koliopoulos G, Sotiriadis A, Kyrgiou M, Martin-Hirsch P, Makrydimas G, Paraskevaidis E. Conservative surgical methods for FIGO stage Ia2 squamous cervical carcinoma and their role in preserving women's Fertility. *Gynecol Oncol* 2004; 93:469-73.
39. Abu-Rustum NR, Neubauer N, Sonoda Y, Park KJ, Gemignani M, Alektiar KM, Tew W, Leitao MM, Chi DS, Barakat RR. Surgical and pathologic outcomes of fertility sparing radical abdominal trachelectomy for FIGO stage Ib1 cervical cancer. *Gynecol Oncol* 2006; 103(3): 807-13.

40. Sioutas A, Scheduins K, Larson B, Gemzell DK. Three cases of vaginal radical trachelectomy during pregnancy. *Gynecol Oncol* 2011 May 1; 121(2):420-1.
41. Kyrgiou M, Hoorwell DH, Farthing A. Laparoscopic radical abdominal trachelectomy for the management of stage Ib1 cervical cancer at 14 week's gestation: case report and review of the literature. *BJOG* 2015 July; 122(8): 1138-43.
42. Valcsatern K, Vergote I, Amant F. Cervical neoplasia during pregnancy: diagnosis, management and prognosis. *Best Pract Res Clin Obstet Gynaecol* 2005; 19(4):611-30.
43. Fujii S, Tanakura K, Matsumura N et al. Anatomic identification and functional outcomes of the nerve sparing Okabayashi radical hysterectomy. *Gynecol Oncol* 2007;107:4-13.
44. De Kroon CD, Gaarenstroom KN, Van poelgeest MI et al. Nerve sparing in radical surgery for early stage cervical cancer: A prospective randomized study. *Gynecol Oncol* 2001;80:3-12
45. Landoni F, Maneo A, Cormio G et al. Class II versus class III radical hysterectomy in stage Ib-IIa cervical cancer. *Int J Gynecol Oncol* 2010;20:39-41.
46. Lemox GK, Covens A. Can sentinel lymph node biopsy replace pelvic lymphadenectomy for early cervical cancer. *Gynecol Oncol* 2017; 144: 16-20.
47. Hockel M. Laterally extended endopelvic resection(LEER). Principles and practice. *Gynecol Oncol* 2008 Nov; 111(2 suppl):13-7