

P-05: Pesti L., Dankovics Zs., Lorencz P., Csejtei A. (2012) Complex treatment of advanced uterine cervix Chemo-radio-thermotherapy case report

**Complex treatment of advanced uterine cervix
Chemo-radio-thermotherapy case report**

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Among malignant gynecologic diseases the morbidity of the squamous cell, plancellular carcinoma of uterine-cervix is 1300-1400 cases yearly, with mortality of 500 cases yearly in Hungary [approx. 10 million inhabitants].

We applied complex combination of various treatment modalities in inoperable, or only partially resectable cases:

RADIOTHERAPY (external-beam & brachytherapy) + CHEMOTHERAPY + HYPERTERMIA

Radiotherapy (ionizing radiation) treatment

Teletherapy: CT based radiation with 3D conformity, targeting the pelvic regional lymph-nodes up to 30 Gy; followed by field-concentration in 1-2 steps until 50 Gy, in fractional solution by 2 Gy doses.

Intracavitary brachytherapy is applied complementary to teletherapy. After-loading technique is used once a week and three times altogether, providing 6-7 Gy/treatment.



Chemotherapy

Cisplatin 40 mg/m²/week; concomitantly with tele-radiotherapy.

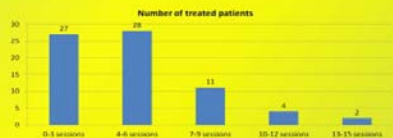


Local hyperthermia treatment

Complementary to the tele-radiotherapy, two times a week, targeting the pelvis. Applied energy dose is 45 W, 60 min. (In days of chemotherapy it is applied just after the infusion.)



We treated 70 patients with uterine cervix malignancies by the above radiotherapy-hyperthermia protocol between 2001 and 2010. All together 331 hyperthermia treatment-sessions were provided for these patients. 34 patients received additional complementary chemotherapy by above dose.



Efficacy of radio-chemo-thermotherapy half year after finishing of the treatment



CASE-REPORT (57y old female)

Anamnesis: G2,P2, hypertonia for 15 years, stroke at age 54 vaginal bleeding (23.Dec. 2005), emergency hospitalization in our Department
Diagnose: Neopl.cerv.ut.std IIIB-IV Histology: carcinoma plancellular kerat.

Teletherapy treatment

Dec.2005 – Feb.2006: external irradiation 2 Gy/day fractions, with 50 Gy complete dose

Brachytherapy (after loading treatments)

23.Dec.2005: Block of bleeding, after loading, 8 Gy
05.Jan.2006: After loading, 5 Gy
04.May 2006: After loading 4.5 Gy; targeting the residual tumor

Chemotherapy

Dec.2005 – Feb.2006: 40 mg/m²/week Cisplatin complementary to external radiation

Hyperthermia treatments

Jan. – Feb.2006: 6 sessions
May-Aug.2006: 4 sessions

Last pelvic control by MRI: 17.Oct. 2010

NO EVIDENCE OF DISEASE (NED)

