
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, planocellular carcinoma of uterine-cervix is 1:300-1400 cases yearly, with mortality of 5-10% cases yearly in Hungary (approx. 10 million inhabitants).

We applied complex combination of various treatment moduluses in inoperable, or only partially resectable cases.

RADIOTHERAPY (external-beam & brachytherapy)
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
Chemotherapy
Cisplatin 40 mg/m²/week, concurrently with tele-radiotherapy.

Hypertermia treatment
Local hypertermia 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-hypertermia protocol between 2001 and 2010. All together 331 hypertermia treatment-sessions were provided for these patients. 34 patients received additional complementary chemotherapy by above dose.

CASE-REPORT (57y old female)

Anamnesis: G2P2, hypertonia for 15 years, stroke at age 54 vaginal bleeding (23 Dec. 2001), emergency hospitalization in our Department Diagnosis: Cervix uteri std B1 B2: Benign carcinoma planocellularis kerat.

Radiotherapy

Brachytherapy (after loading treatment)
05. Jan.2006: after loading, 5 Gy
04. May 2006: After loading 4.5 Gy: targeting the residual tumor

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

No evidence of disease (NED)

Last pelvic control by MRI: 17.Oct. 2010

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