5-FLUOROURACIL – MITOMYCIN – RADIATION

5-Fluorouracil 1000 mg/m²/day CIVI Days 1 – 4 and 29 – 32
Mitomycin C 15 mg/m² IV Day 1
Radiation Therapy 2 Gy/day* Days 1 – 5, 8–12, & 15 – 19
*2 Gy/day, 5 days/week starting on Day 1; Maximum radiation dose 30 Gy

Surgery 4 – 6 weeks following the last day of radiation treatment


NOTE: An alternative is 5-Fluorouracil at a dose of 750 mg/m²/day CIVI for 5 days plus mitomycin C. Radiation started immediately after the completion of chemotherapy.


5-FLUOROURACIL – CISPLATIN (or MITOMYCIN C) – RADIATION

Radiation 45 Gy in 25 fractions over 5 weeks
5-Fluorouracil 1000 mg/m²/day CIVI Days 1 – 4
Cisplatin* 100 mg/m² IV** Day 1
OR
Mitomycin C* 10 – 15 mg/m² IV Day 1

Followed by

Brachytherapy Implants Boost (to 60 Gy total) or external beam

*Either cisplatin or mitomycin C are administered, NOT BOTH; **Routine pre– and post–hydration required.

Chemotherapy generally given concurrently with radiation for medically fit patients who have positive nodes or T 2 – 4 lesions 3 cm or larger and consisted of 2 cycles during week 1 and 5.


5-FLUOROURACIL – CISPLATIN – HIGH-DOSE RADIATION

Radiation External beam radiotherapy administered (total 30 Gy in 3 Gy fractions for 10 fractions (4 days/week) with boost to lymph nodes concurrent with chemotherapy); and during the first week of external beam radiotherapy concomitant chemotherapy was administered as listed below:
5-Fluorouracil 1000 mg/m²/day CIVI Days 1 – 4
Cisplatin 25 mg/m²/day IV** Days 1 – 4

Followed by

Brachytherapy Implants 8 weeks after the end of the external beam radiation

*5-Fluorouracil dose decreased to 800 mg/m²/day and cisplatin to 20 mg/m²/day for elderly patients with a poor performance status; **Routine pre– and post–hydration administered.

**GASTROINTESTINAL STROMAL TUMORS (GIST)**

**IMATINIB MESYLATE**

Imatinib 400 – 800 mg/day PO Daily

NOTE: Dose taken once or twice daily (800 mg dose) with food. Imatinib mesylate available as 100 mg capsules, 100 mg tablets, and 400 mg tablets.


**SUNITINIB**

Sunitinib 50 mg/day PO Days 1 – 28

Repeat cycle every 42 days (i.e., 4 weeks on therapy followed by 2 weeks rest). Repeat cycle if disease response and acceptable toxicity.

DOSE MODIFICATIONS: In the presence of clinically relevant Grade 3 or 4 toxic effects, reduce the dose of sunitinib to 37.5 mg/day, and if additional reduction is warranted, to 25 mg/day.

NOTE: Administer the dose in the morning with water and without regard to meals. Sunitinib is available as 12.5 mg, 25 mg, and 50 mg capsules.


**NOTES:**