The selection, dosing, and administration of anticancer agents and the management of associated toxicities are complex. Drug dose modifications and schedule and initiation of supportive care interventions are often necessary because of expected toxicities and because of individual patient variability, prior treatment, and comorbidities. Thus, the optimal delivery of anticancer agents requires a healthcare delivery team experienced in the use of such agents and the management of associated toxicities in patients with cancer. The cancer treatment regimens below may include both FDA-approved and unapproved uses/regimens and are provided as references only to the latest treatment strategies. Clinicians must choose and verify treatment options based on the individual patient.

**General treatment notes:** In response to the shortage of leucovorin, the FDA recently approved levoleucovorin (Fusilev) to be used in place of leucovorin when 5-FU is part of the regimen. Levoleucovorin 200mg/m^2 (equivalent of leucovorin 400mg/m^2) is the equivalent of leucovorin 400mg/m^2.1

**REGIMEN** | **DOISING**
---|---
**Preoperative and Postoperative Chemotherapy (Only for Adenocarcinoma of the Distal Esophagus or Esophagogastric Junction)**

**ECF (epirubicin [Ellence] + cisplatin [Platinol; CDDP] + 5-fluorouracil [5-FU])**

*NOTE: Category 1*

**Cisplatin + capecitabine**

*NOTE: Category 1*

**Oxaliplatin**

*NOTE: Category 1*

**Paclitaxel + carboplatin**

*NOTE: Category 1*

**Paclitaxel + cisplatin**

*NOTE: Category 1*

**Postoperative Chemoradiation (Only for Adenocarcinoma or Gastroesophageal Junction)**

**S-FU + leucovorin**

*NOTE: Category 1*

**DCF (docetaxel + cisplatin + 5-FU)**

*NOTE: Category 1*

**Modified DCF (docetaxel + leucovorin + cisplatin + 5-FU)**

*NOTE: Category 1*

**Cisplatin + leucovorin + 5-FU**

*NOTE: Category 1*

**Cisplatin + capecitabine**

*NOTE: Category 1*

---

**continued**
### GASTRIC CANCER TREATMENT REGIMENS (Part 2 of 2)

<table>
<thead>
<tr>
<th>REGIMEN</th>
<th>DOSING</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>ECF (epirubicin + cisplatin + 5-FU)</strong>&lt;sup&gt;1,13&lt;/sup&gt;</td>
<td>5-FU 200mg/m&lt;sup&gt;2&lt;/sup&gt;/day as continuous IV infusion using a portable pump for up to 8 months, <strong>plus</strong> Epirubicin 50mg/m&lt;sup&gt;2&lt;/sup&gt;/IV and cisplatin 60mg/m&lt;sup&gt;2&lt;/sup&gt;/IV infusion given as an inpatient procedure every 3 weeks for max 8 cycles.</td>
</tr>
<tr>
<td><strong>ECX (epirubicin + capecitabine [Xeloda])</strong>&lt;sup&gt;1,3&lt;/sup&gt;</td>
<td>Day 1: Epirubicin 50mg/m&lt;sup&gt;2&lt;/sup&gt;/IV bolus and cisplatin 60mg/m&lt;sup&gt;2&lt;/sup&gt;/IV, <strong>plus</strong> Days 1-21: 5-FU 625mg/m&lt;sup&gt;2&lt;/sup&gt;/oral twice daily. Repeat cycle every 3 weeks for max 8 cycles.</td>
</tr>
<tr>
<td><strong>EOF (epirubicin + oxaliplatin + 5-FU)</strong>&lt;sup&gt;1,3&lt;/sup&gt;</td>
<td>Day 1: Epirubicin 50mg/m&lt;sup&gt;2&lt;/sup&gt;/IV bolus and oxaliplatin 130mg/m&lt;sup&gt;2&lt;/sup&gt;/IV, <strong>plus</strong> Days 1-21: 5-FU 200mg/m&lt;sup&gt;2&lt;/sup&gt;/day IV. Repeat cycle every 3 weeks for max 8 cycles.</td>
</tr>
<tr>
<td><strong>EXO (epirubicin + oxaliplatin + capecitabine)</strong>&lt;sup&gt;1,3&lt;/sup&gt;</td>
<td>Day 1: Epirubicin 50mg/m&lt;sup&gt;2&lt;/sup&gt;/IV bolus and oxaliplatin 130mg/m&lt;sup&gt;2&lt;/sup&gt;/IV, <strong>plus</strong> Days 1-21: Capecitabine 625mg/m&lt;sup&gt;2&lt;/sup&gt;/oral twice daily. Repeat cycle every 3 weeks for max 8 cycles.</td>
</tr>
<tr>
<td><strong>Trastuzumab (Hercptin) + capecitabine/cisplatin OR 5-FU/cisplatin</strong>&lt;sup&gt;1,18&lt;/sup&gt;</td>
<td>Day 1: Trastuzumab 8mg/kg IV loading dose (Cycle 1 only); <strong>followed by</strong> Trastuzumab 6mg/kg IV every 3 weeks, <strong>plus</strong> chemotherapy (see below).</td>
</tr>
<tr>
<td><strong>Chemotherapy</strong></td>
<td>Day 1: Cisplatin 80mg/m&lt;sup&gt;2&lt;/sup&gt;/IV, <strong>plus</strong> Days 1-4: Capecitabine 1,000mg/m&lt;sup&gt;2&lt;/sup&gt;/oral twice daily OR Days 1-5: 5-FU 800mg/m&lt;sup&gt;2&lt;/sup&gt;/continuous IV infusion. Repeat cycle every 3 weeks for 6 cycles.</td>
</tr>
</tbody>
</table>

**References**


© 2012 Haymarket Media, Inc.