GASTRIC CANCER TREATMENT REGIMENS (Part 1 of 7)

Clinical Trials: The NCCN recommends cancer patient participation in clinical trials as the gold standard for treatment.

Cancer therapy selection, dosing, administration, and the management of related adverse events can be a complex process that should be handled by an experienced healthcare team. Clinicians must choose and verify treatment options based on the individual patient; drug dose modifications and supportive care interventions should be administered accordingly. The cancer treatment regimens below may include both U.S. Food and Drug Administration-approved and unapproved indications/regimens. These regimens are only provided to supplement the latest treatment strategies.

These Guidelines are a work in progress that may be refined as often as new significant data becomes available. The NCCN Guidelines® are a consensus statement of its authors regarding their views of currently accepted approaches to treatment. Any clinician seeking to apply or consult any NCCN Guidelines® is expected to use independent medical judgment in the context of individual clinical circumstances to determine any patient's care or treatment. The National Comprehensive Cancer Network makes no warranties of any kind whatsoever regarding their content, use, or application and disclaims any responsibility for their application or use in any way.

Principles of Systemic Therapy¹

Chemotherapy regimens should be chosen in the context of performance status, medical comorbidities, toxicity profile, and HER2-neu expression (for adenocarcinoma only). Two-drug cytotoxic regimens are preferred for patients with advanced disease because of lower toxicity. Three-drug cytotoxic regimens should be reserved for medically fit patients with good performance status and access to frequent toxicity evaluation. Doses and schedules for any regimen that is not derived from category 1 evidence is a suggestion, and subject to appropriate modifications depending on the circumstances. Infusional fluorouracil and capecitabine may be used interchangeably (except as indicated). Cisplatin and oxaliplatin may be used interchangeably depending on toxicity profile.

Preoperative Chemoradiation (esophagogastric junction and gastric cardia)¹

Preferred Regimens				
REGIMEN	DOSING			
Paclitaxel + carboplatin ²	Day 1: Paclitaxel 50mg/m ² IV + carboplatin AUC 2mg/mL \times min IV. Repeat weekly for 5 weeks.			
Cisplatin + 5-fluorouracil (5-FU) ^{3,4}	Days 1 and 29: Cisplatin 75–100mg/m ² IV Days 1–4 and 29–32: 5-FU 750–1000mg/m ² IV continuous infusion over 24 hours OR Days 1–5: Cisplatin 15mg/m ² IV once daily plus 5-FU 800mg/m ² IV continuous infusion over 24 hours daily. Repeat cycle every 21 days for 2 cycles.			
Oxaliplatin + 5-FU ^{5,6}	 Days 1, 15, and 29: Oxaliplatin 85mg/m² IV Days 1-33: 5-FU 180mg/m² IV. OR Day 1: Oxaliplatin 85mg/m² and leucovorin 400mg/m² followed by 5-FU 400mg/m² bolus, then 800mg/m² 24-hour continuous infusion over days 1 and 2; the first 3 cycles were delivered during radiotherapy (RT), the other 3 after RT; 6 bimonthly (14 days) cycles. 			
Cisplatin + capecitabine ⁷	Day 1: Cisplatin 30mg/m ² IV Days 1-5: Capecitabine 800mg/m ² orally twice daily. Repeat cycle weekly for 5 weeks.			
Oxaliplatin + capecitabine ⁸	Days 1, 15, and 29: Oxaliplatin 85mg/m ² IV Days 1–5: Capecitabine 625mg/m ² orally twice daily for 5 weeks.			
Other Regimens				
Irinotecan + cisplatin ⁹	Days 1, 8, 22, 29: Irinotecan 65mg/m ² IV plus cisplatin 30mg/m ² IV.			
Paclitaxel + 5-FU ¹⁰	Day 1: Paclitaxel 45-50mg/m ² IV weekly Days 1-5: 5-FU 300mg/m ² IV continuous infusion. Weekly for 5 weeks.			
Paclitaxel + capecitabine ¹⁰	Day 1: Paclitaxel 45-50mg/m ² IV Days 1-5: Capecitabine 625-825mg/m ² orally BID. Weekly for 5 weeks.			
Epirubicin + cisplatin + 5-FU (ECF) ¹¹	Day 1: Epirubicin 50mg/m ² IV bolus + cisplatin 60mg/m ² IV Days 1-21: 5-FU 200mg/m ² IV continuous infusion over 24 hours daily. Repeat cycle every 21 days for 3 cycles preoperatively and 3 cycles postoperatively.			
ECF modification: epirubicin + oxaliplatin + 5-FU ¹²	Day 1: Epirubicin 50mg/m ² IV; oxaliplatin 130mg/m ² IV Days 1-21: 5-FU 200mg/m ² IV continuous infusion over 24 hours. Repeat cycle every 21 days for 3 cycles preoperatively and 3 cycles postoperatively.			
ECF modification: epirubicin + cisplatin + capecitabine ¹²	Day 1: Epirubicin 50mg/m ² IV; cisplatin 60mg/m ² IV Days 1–21: Capecitabine 625mg/m ² orally twice daily. Repeat cycle every 21 days for 3 cycles preoperatively and 3 cycles postoperatively. continued			

GASTRIC CANCER TREATMENT REGIMENS (Part 2 of 7)

	(including esophagogastric junction) ¹		
REGIMEN	DOSING		
ECF modification: epirubicin + oxaliplatin + capecitabine ¹²	Day 1: Epirubicin 50mg/m ² IV; oxaliplatin 130mg/m ² IV Days 1-21: Capecitabine 625mg/m ² orally twice daily. Repeat cycle every 21 days for 3 cycles preoperatively and 3 cycles postoperatively		
5-FU + cisplatin ¹³	Day 1: Cisplatin 75–80mg/m ² IV Days 1–5: 5-FU 800mg/m ² IV continuous infusion over 24 hours daily. Repeat cycle every 28 days for 2–3 cycles preoperatively and 3–4 cycles postoperatively for a total of 6 cycles.		
Postoperative Chemoradiation	on (including esophagogastric junction) ¹		
5-FU + leucovorin (category 1) ¹⁴	Cycles 1, 3, and 4 (before and after radiation) Days 1-5: Leucovorin 20mg/m ² IVP plus 5-FU 425mg/m ² /day IVP Repeat cycle every 28 days. Cycle 2 (with radiation)		
	Days 1-4 and 31-33: Leucovorin 20mg/m ² IVP Days 1-4: 5-FU 400mg/m ² /day IVP. Repeat cycle every 35 days.		
	The NCCN panel acknowledges that the Intergroup 0116 Trial formed the basis for post- operative adjuvant chemoradiation strategy. However, the panel does not recommend the above specified doses or schedule of cytotoxic agents because of concerns regarding toxicity. The panel recommends one of the following modifications instead.		
	Days 1–14: Capecitabine 750–1000mg/m ² orally twice daily. Repeat cycle every 28 days; 1 cycle before and 2 cycles after chemoradiation.		
5-FU + leucovorin ¹⁶	Days 1, 2, 15, and 16: Leucovorin 400mg/m ² IV followed by 5-FU 400mg/m ² IVP and a 24-hour infusion of 5-FU 1200mg/m ² ; 1 cycle before and 2 cycles after chemoradiation. Repeat cycle every 28 days.		
5-FU with radiation ¹⁷	Days 1-5 OR Days 1-7: 5-FU 200–250mg/m ² IV continuous infusion over 24 hours once daily; weekly for 5 weeks.		
Capecitabine with radiation ¹⁸	Days 1–5 OR Days 1–7: Capecitabine $625-825mg/m^2$ orally twice daily; weekly for 5 weeks.		
Postoperative Chemotherapy			
Capecitabine + oxaliplatin ¹⁹	Days 1-14: Capecitabine 1000mg/m ² orally twice daily Day 1: Oxaliplatin 130mg/m ² IV. Repeat cycle every 21 days for 8 cycles.		
Capecitabine + cisplatin ²⁰	Days 1–14: Capecitabine 1000mg/m ² orally twice daily Day 1: Cisplatin 60mg/m ² IV. Repeat cycle every 21 days for 6 cycles.		
Metastatic or Locally Advance	ed Cancer (where local therapy is not indicated) ¹		
First-line Therapy			
Trastuzumab + chemotherapy (NOTE: for HER2-neu malignancies) ²¹	Day 1: Trastuzumab 8mg/kg IV loading dose (Cycle 1 only); <u>followed by</u> trastuzumab 6mg/kg IV every 3 weeks, plus chemotherapy OR Day 1 of Cycle 1: Trastuzumab 6mg/kg IV loading dose, then 4mg/kg IV every 14 days. <u>Chemotherapy:</u> Day 1: Cisplatin 80mg/m ² IV, <u>plus</u> Days 1–14: Capecitabine 1000mg/m ² orally twice daily. OR Days 1–5: 5-FU 800mg/m ² continuous IV infusion. Repeat cycle every 21 days for 6 cycles		
Docetaxel + cisplatin + 5-FU (DCF) ²²	Day 1: Docetaxel 75mg/m ² IV + cisplatin 75mg/m ² IV Days 1–5: 5-FU 1,000mg/m ² IV continuous infusion over 24 hours, daily. Repeat cycle every 28 days.		
	The panel does not recommend the above specified doses or schedule of cytotoxic agents because of concerns regarding toxicity.		
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GASTRIC CANCER TREATMENT REGIMENS (Part 3 of 7)

Metastatic or Locally Advanced Cancer (where local therapy is not indicated)¹ (continued)

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First-line Therapy (continued)			
REGIMEN	DOSING		
Modified DCF (docetaxel + cisplatin + leucovorin + 5-FU) ²³	Day 1: Docetaxel 40mg/m ² IV plus leucovorin 400mg/m ² IV plus 5-FU 400mg/m ² Days 1 and 2: 5-FU 1000mg/m ² IV continuous infusion over 24 hours Day 3: Cisplatin 40mg/m ² IV. Repeat cycle every 14 days.		
Modified DCF (docetaxel + oxaliplatin + 5-FU) ²⁴	Day 1: Docetaxel 50mg/m ² IV plus oxaliplatin 85mg/m ² Days 1 and 2: 5-FU 1,200mg/m ² IV continuous infusion over 24 hours. Repeat cycle every 14 days.		
Modified DCF (docetaxel + carboplatin + 5-FU) ²⁵	Day 1: Docetaxel 75mg/m ² Day 2: Carboplatin AUC 6mg/mL × min Days 1–3: 5-FU 1,200mg/m ² IV continuous infusion over 24 hours daily. Repeat cycle every 21 days.		
ECF ²⁶	Day 1: Epirubicin 50mg/m ² IV bolus + cisplatin 60mg/m ² IV Days 1-21: 5-FU 200mg/m ² IV continuous infusion over 24 hours daily. Repeat cycle every 21 days.		
ECF modifications (epirubicin + oxaliplatin + 5-FU) ²⁷	Days 1: Epirubicin 50mg/m ² IV plus oxaliplatin 130mg/m ² IV Days 1-21: 5-FU 200mg/m ² IV continuous infusion over 24 hours. Repeat cycle every 21 days.		
ECF modifications (epirubicin + cisplatin + capecitabine) ²⁷	Day 1: Epirubicin 50mg/m ² IV plus cisplatin 60mg/m ² IV Days 1-21: Capecitabine 625mg/m ² orally twice daily. Repeat cycle every 21 days.		
ECF modifications (epirubicin + oxaliplatin + capecitabine) ²⁷	Day 1: Epirubicin 50mg/m ² IV plus oxaliplatin 130mg/m ² IV Days 1-21: capecitabine 625mg/m ² IV orally twice daily. Repeat cycle every 21 days.		
Fluoropyrimidine and cisplatin (5-FU + cisplatin) ³³	Day 1: Cisplatin 75–100mg/m ² IV Days 1-4: 5-FU 1,000mg/m ² IV continuous infusion over 24 hours daily.		
Fluoropyrimidine and cisplatin (5-FU + cisplatin + leucovorin) ²⁸⁻³¹	Day 1: Cisplatin 50mg/m ² IV plus leucovorin 200mg/m ² IV plus 5-FU 2,000mg/m ² IV continuous infusion over 24 hours. Repeat cycle every 14 days.		
Fluoropyrimidine and cisplatin (capecitabine + cisplatin) ²⁸⁻³¹	Day 1: Cisplatin 80mg/m ² IV Day 1-14: Capecitabine 1000mg/m ² orally twice daily. Repeat cycle every 3 weeks.		
Fluoropyrimidine and oxaliplatin (oxaliplatin + capecitabine) ^{29,32,33}	Day 1: Oxaliplatin 130mg/m ² IV Days 1-14: Capecitabine 1000mg/m ² orally twice daily. Repeat cycle every 21 days.		
Fluoropyrimidine and oxaliplatin (oxaliplatin + leucovorin + 5-FU) ^{29,32,33}	Day 1: Oxaliplatin 85mg/m ² IV plus leucovorin 400mg/m ² IV plus 5-FU 400mg/m ² IVP Days 1 and 2: 5-FU 1200mg/m ² IV continuous infusion over 24 hours daily. Repeat cycle every 14 days. OR Day 1: Oxaliplatin 85mg/m ² IV plus leucovorin 200mg/m ² IV plus 5-FU 2,600mg/m ² IV continuous infusion over 24 hours. Repeat cycle every 14 days.		
Fluorouracil and irinotecan (irinotecan + leucovorin + 5-FU) ³⁴⁻³⁶	Day 1: Irinotecan 80mg/m² IV plus leucovorin 500mg/m² IV plus 5-FU 2000mg/m² IV continuous infusion over 24 hours. Weekly for 6 weeks followed by 1 week off treatment OR weekly for 6 weeks followed by 2 weeks off treatment. OR Day 1: Irinotecan 150mg/m² IV plus leucovorin 20mg/m² IV Day 1: S-FU 1000mg/m² IV plus leucovorin 20mg/m² IV Days 1-2: 5-FU 1000mg/m² IV continuous infusion over 24 hours daily. Repeat cycle every 14 days.		
	continued		

GASTRIC CANCER TREATMENT REGIMENS (Part 4 of 7)

Metastatic or Locally Advanced Cancer (where local therapy is not indicated)¹ (continued)

REGIMEN DOSING Pacifizael 1 < cisplatin or sarboplatin ⁷⁷⁻³⁹ DoSING Pacifizael 1 < cisplatin 75mg/m ² IV pay 2: Cisplatin 75mg/m ² IV pay 2: Cisplatin 75mg/m ² IV plus cisplatin 50mg/m ² IV. Repeat cycle every 21 days. OR Day 1: Pacifizael 200mg/m ² IV plus cisplatin 50mg/m ² IV. Repeat cycle every 21 days. OB Docetaxel + cisplatin ^{106,41} Day 1: Docetaxel 70-85mg/m ² IV plus carboplatin AUC 5mg/m ² IV. Repeat cycle every 21 days. Docetaxel + innotecant ¹² Days 1: Docetaxel 35mg/m ² IV plus cisplatin 70-75mg/m ² IV. Repeat cycle every 21 days. Docetaxel + innotecant ¹² Days 1 and 8: Docetaxel 35mg/m ² IV plus innotecan 50mg/m ² IV. Repeat cycle every 21 days. OR Days 1: Leucovini 400mg/m ² IV continuous infusion over 24 hours daily. Repeat cycle every 21 days. OR Days 1 - 5: FU 200mg/m ² IV continuous infusion over 24 hours daily. Repeat cycle every 21 days. OR Days 1: Docetaxel 75-1000mg/m ² IV continuous infusion over 24 hours daily. Repeat cycle every 21 days. OR Days 1: Docetaxel 75-1000mg/m ² IV. Repeat cycle every 21 days. OR Days 1: Docetaxel 75-1000mg/m ² IV. Repeat cycle every 21 days. OR Days 1: Docetaxel 75-1000mg/m ² IV. Repeat cycle every 21 days. OR Days 1: Docetaxel 75-1000mg/m ² IV. Repeat cycle every 21 days. OR Days 1: Tastuzumab Smg/kg IV loading dose (Cycle 1 only); followed by trastuzumab 6mg/kg IV every 3 weeks, plus chemotherapy. OR Days 1: A for Gycle 1: Tastuzumab Smg/kg IV Repeat cycle every 21 days. Pays 1: 45 Capecitabi		ced Cancer (where local therapy is not indicated) ¹ (continued)		
Pacifizzel + cisplatin or parhopistin ²¹⁻⁵⁹ Day 1: Pacifizzel 135-200mg/m ² IV Day 2: Cisplatin 75mg/m ² IV Day 2: Cisplatin 75mg/m ² IV plus cisplatin 50mg/m ² IV. Repeat cycle every 21 days. OR Dectaxel + cisplatin ^{10,41} Day 1: Pacifizzel 200mg/m ² IV plus carboplatin AUC 5mg/mL × min Repeat cycle every 21 days. Decetaxel + cisplatin ^{10,41} Docetaxel + cisplatin ^{10,41} Day 1: Docetaxel 70-85mg/m ² IV plus carboplatin AUC 5mg/mL × min Repeat cycle every 21 days. Docetaxel + innotecan ⁴² Day 1: Docetaxel 70-85mg/m ² IV plus 5-FU 400mg/m ² IV. Repeat cycle every 21 days. Docetaxel + innotecan ⁴² Day 1: Leucowind 400mg/m ² IV plus 5-FU 400mg/m ² IV. Repeat cycle every 14 days. OR Day 1: Docetaxel 75-FU 300mg/m ² IV continuous infusion over 24 hours daily. Repeat cycle every 21 days. OR Day 1: Docetaxel 75-100 mg/m ² IV continuous infusion over 24 hours daily. Repeat cycle every 21 days. OR Day 1: Docetaxel 75-100 mg/m ² IV continuous infusion over 24 hours daily. Repeat cycle every 21 days. OR Day 1: Docetaxel 75-100mg/m ² IV. Repeat cycle every 21 days. OR Day 1: Docetaxel 75-100 mg/m ² IV. Repeat cycle every 21 days. OR Day 1: Tastuzumab Bmg/kg IV loading dose (Cycle 1 only); followed by trastuzumab forg/kg IV every 3 weeks, plus chernotherapy. OR No UNDTE: for HER2-neu malignancies/ ²³ Day 1: Tastuzumab Bmg/kg IV loading dose (Cycle 1 only); followed by trastuzumab forg/kg IV every 3 weeks, plus chernotherapy. OR Day 1: of Cycle 1: Tastuzumab Bmg/kg IV loading dose (Cycle 1 only); followed by trastuzumab forg/kg IV every 14 days. <	Other Regimens			
carboplatin ^{37:90*} Dsý 2: Cisplatin 75mg/m ² W. ² Repeat cycle every 21 days. OR Dsy 1: Pacifizael 90mg/m ² IV plus cisplatin 50mg/m ² IV. Repeat cycle every 21 days. OR Dsy 1: Pacifizael 200mg/m ² IV plus cisplatin 70-75mg/m ² IV. Repeat cycle every 21 days. Docetaxel + cisplatin ^{60,41} Dsy 1: Pacifizael 202 Bmg/m ² IV plus cisplatin 70-75mg/m ² IV. Repeat cycle every 21 days. Docetaxel + irinotecan ⁴² Days 1 and 8: Docetaxel 35mg/m ² IV plus irinotecan 50mg/m ² IV. Repeat cycle every 21 days. Filoropyridimine ^{12,41,44} Days 1 and 2: S-FU 1200mg/m ² IV continuous infusion over 24 hours daily. Repeat cycle every 14 days. OR Days 1 - 31: Capecitabine 1000-1250mg/m ² or ally twice daily. Repeat cycle every 21 days. OR Days 1 - 31: Capecitabine 1000-1250mg/m ² orally twice daily. Repeat cycle every 21 days. OR Days 1 - 31: Capecitabine 1000-1250mg/m ² orally twice daily. Repeat cycle every 21 days. OR Days 1 - 31: Capecitabine 1000-1250mg/m ² IV once weekly. Repeat cycle every 21 days. OR Days 1 - 31: Capecitabine 600mg/m ² IV. Repeat cycle every 21 days. OR Days 1 - 31: Capecitabine 1000-1250mg/m ² IV once weekly. Repeat cycle every 21 days. OR Days 1 - 31: Capecitabine 1000mg/m ² IV. Repeat cycle every 21 days. OR Days 1 - 31: Fastuzumab b mg/kg IV loading dose (Cycle 1 only); followed by trastizumab + chemotherapy. (OR <th>REGIMEN</th> <th colspan="3">DOSING</th>	REGIMEN	DOSING		
Repeat cycle every 21 days. Docetaxel + irinotecan ⁴² Days 1 and 8: Docetaxel 35mg/m ² IV plus irinotecan 50mg/m ² IV. Repeat cycle every 21 days. Fluoropyridimine ^{12,43,44} Day 1: Leucovoin 400mg/m ² IV plus 5-FU 400mg/m ² IVP Days 1 and 2: 5-FU 1200mg/m ² IV continuous infusion over 24 hours daily. Repeat cycle every 14 days. OR Days 1 -15: 5-FU 800mg/m ² IV continuous infusion over 24 hours daily. Repeat cycle every 28 days. OR Days 1 -14: Capecitabine 1000-1250mg/m ² orally twice daily. Repeat cycle every 21 days. OR Days 1: Docetaxel 75-100mg/m ² IV. Repeat cycle every 21 days. OR Days 1, 5, 5-fU 800mg/m ² IV. Repeat cycle every 21 days. OR Days 1, 8, 15 and 22: Pacitaxel 80mg/m ² IV once weekly. Repeat cycle every 28 days. OR Days 1, 6, 15 and 22: Pacitaxel 80mg/m ² IV once weekly. Repeat cycle every 21 days. OR Days 1 -5: 5-FU 800mg/m ² V loading dose, then 4mg/kg IV every 14 days. Chemotherapy. OR Days 1 -5: 5-FU 8000mg/m ² Ontinuous VI infusion. <th>Paclitaxel + cisplatin or carboplatin³⁷⁻³⁹</th> <th colspan="3">Day 2: Cisplatin 75mg/m² IV. Repeat cycle every 21 days. OR Day 1: Paclitaxel 90mg/m² IV plus cisplatin 50mg/m² IV. Repeat cycle every 14 days. OR Day 1: Paclitaxel 200mg/m² IV plus carboplatin AUC 5mg/mL × min</th>	Paclitaxel + cisplatin or carboplatin ³⁷⁻³⁹	Day 2: Cisplatin 75mg/m ² IV. Repeat cycle every 21 days. OR Day 1: Paclitaxel 90mg/m ² IV plus cisplatin 50mg/m ² IV. Repeat cycle every 14 days. OR Day 1: Paclitaxel 200mg/m ² IV plus carboplatin AUC 5mg/mL × min		
Repeat cycle every 21 days. C Fluoropyridimine ^{32,43,44} Day 1: Leucovoin 400mg/m ² IV plus 5-FU 400mg/m ² IVP Pays 1 and 2: 5-FU 200mg/m ² IV continuous infusion over 24 hours daily. Repeat cycle every 14 days. OR Days 1 -14: Capecitabine 1000-1250mg/m ² orally twice daily. Repeat cycle every 28 days. OR Days 1 -14: Capecitabine 1000-1250mg/m ² orally twice daily. Repeat cycle every 21 days. OR Days 1: Docetaxel 75-100mg/m ² IV. Repeat cycle every 21 days. OR Days 1: Docetaxel 75-100mg/m ² IV. Repeat cycle every 21 days. OR Days 1, 8, 15 and 22: Paclitaxel 80mg/m ² IV once weekly. Repeat cycle every 28 days. OR Days 1, 1, 2, 15 and 22: Paclitaxel 80mg/m ² IV once weekly. Repeat cycle every 28 days. OR Days 1, 1, 2, 15 and 22: Paclitaxel 80mg/m ² IV once weekly. Repeat cycle every 28 days. OR Days 1: Cipilatin 80mg/m ² IV loading dose (Cycle 1 only); followed by trasturamab 6mg/kg IV loading dose, then 4mg/kg IV every 14 days. OR Days 1 - 12: Capecitabine 1000mg/m ² orally twice daily OR	Docetaxel + cisplatin ^{40,41}	Day 1: Docetaxel 70-85mg/m ² IV plus cisplatin 70-75mg/m ² IV.		
Days 1 and 2: 5-FU 120Ömg/m² IV continuous infusion over 24 hours daily. Repeat cycle every 14 days. OR Days 1-5: 5-FU 800mg/m² IV continuous infusion over 24 hours daily. Repeat cycle every 28 days. OR Days 1-14: Capecitabine 1000-1250mg/m² orally twice daily. Repeat cycle every 21 days.Taxane*5-48Day 1: Docetaxel 75-100mg/m² IV. Repeat cycle every 21 days. OR Days 1, Pacitaxel 135-250mg/m² IV once weekly. Repeat cycle every 28 days.Second-line Therapy Trastuzumab + chemotherapy NOTE: for HER2.neu malignancies) ²³ Day 1: Trastuzumab 8mg/kg IV loading dose (Cycle 1 only); followed by trastuzumab 6mg/kg IV every 3 weeks, plus chemotherapy. OR Day 1 of Cycle 1: Trastuzumab 6mg/kg IV loading dose, then 4mg/kg IV every 14 days. Chemotherapy: Day 1 of Cycle 1: Trastuzumab 6mg/kg IV loading dose, then 4mg/kg IV every 14 days. Chemotherapy: Day 1 of Cycle 1: Trastuzumab 6mg/kg IV loading dose, then 4mg/kg IV every 14 days. Chemotherapi: Day 1 of Cycle 1: Trastuzumab 6mg/kg IV. Pay 1 OR Day 1 and 15: Pacitatione 1000mg/m² orally twice daily OR Days 15: 5-FU 800mg/m² IV. plus Days 15: 5-FU 800mg/m² IV. Repeat cycle every 14 days. Repeat cycle every 14 days. Repeat cycle every 21 days. Day 1. Bay 1.5: Docetaxel 75-100mg/m² IV. Repeat cycle every 14 days. Repeat cycle every 28 days.Docetaxel49Day 1: Pacitaxel 80mg/m² IV. Repeat cycle every 21 days. OR Day 1. Pacitaxel 80mg/m² IV. Repeat cycle every 21 days. OR Day 1: Pacitaxel 80mg/m² IV. Repeat cycle every 28 days. OR Day 1: Pacitaxel 80mg/m² IV. Repeat cycle ev	Docetaxel + irinotecan ⁴²			
Repeat cycle every 21 days. OR Day 1: Paclitaxel 135-250mg/m² IV. Repeat cycle every 21 days. OR Days 1, 8, 15 and 22: Paclitaxel 80mg/m² IV once weekly. Repeat cycle every 28 days.Second-line Therapy (NOTE: for HER2-neu malignancies)23Day 1: Trastuzumab 8mg/kg IV loading dose (Cycle 1 only); followed by trastuzumab 6mg/kg IV every 3 weeks, plus chemotherapy. OR Day 1 of Cycle 1: Trastuzumab 6mg/kg IV loading dose, then 4mg/kg IV every 14 days. Chemotherapy: Day 1 Cisplatin 80mg/m² IV, plus Days 1-4: Capecitabine 1000mg/m² orally twice daily OR Days 1-4: Capecitabine 1000mg/m² orally twice daily OR Days 1-4: CApecitabine 1000mg/m² orally twice daily OR Days 1-5: 5-FU 800mg/m² continuous IV infusion. Repeat cycle every 21 days for 6 cycles.Second-line Therapy (preferret regimens) Ramucirumab for gastric and EGJ adenocarcinoma ⁴⁹ Day 1: Ramucirumab 8mg/kg IV. Repeat cycle every 14 days. Day 1 and 15: Ramucirumab 8mg/kg IV Day 1, 8, and 15: Paclitaxel 80mg/m². Repeat cycle every 21 days.Docetaxel ⁴⁹ Paciltaxel ⁵⁰⁻⁵² Day 1: Paclitaxel 135-250mg/m² IV. Repeat cycle every 21 days. OR Day 1: Paclitaxel 80mg/m² IV. Repeat cycle every 28 days. OR Day 1: Paclitaxel 80mg/m² IV. Repeat cycle every 28 days. OR Day 1: Paclitaxel 80mg/m² IV. Repeat cycle every 28 days. OR Day 1: Paclitaxel 80mg/m² IV once weekly. Repeat cycle every 28 days. OR	Fluoropyridimine ^{32,43,44}	Days 1 and 2: 5-FU 1200mg/m² IV continuous infusion over 24 hours daily. Repeat cycle every 14 days. OR Days 1-5: 5-FU 800mg/m² IV continuous infusion over 24 hours daily. Repeat cycle every 28 days. OR Days 1-14: Capecitabine 1000-1250mg/m² orally twice daily.		
Second-line Therapy Irrastuzumab + chemotherapy (NOTE: for HER2-neu malignancies) ²³ Day 1: Trastuzumab Smg/kg IV loading dose (Cycle 1 only); followed by trastuzumab 6mg/kg IV every 3 weeks, plus chemotherapy. OR Day 1 of Cycle 1: Trastuzumab 6mg/kg IV loading dose, then 4mg/kg IV every 14 days. Chemotherapy: Day 1: Cisplatin 80mg/m ² IV, plus Days 1-14: Capecitabine 1000mg/m ² orally twice daily OR Days 1-5: 5-FU 800mg/m ² continuous IV infusion. Repeat cycle every 21 days for 6 cycles. Second-line Therapy (preferred regimens) Ramucirumab for gastric and EGJ adenocarcinoma ⁴⁹ Day 1: Ramucirumab 8mg/kg IV. Repeat cycle every 14 days. Ramucirumab + paclitaxel for gastric and EGJ adenocarcinoma ⁵⁰ Docetaxel ⁴⁹ Day 1: Docetaxel 75-100mg/m ² IV. Repeat cycle every 2 days. OR Day 1: Paclitaxel 135-250mg/m ² IV. Repeat cycle every 21 days. OR Day 1: Paclitaxel 30mg/m ² IV. Repeat cycle every 2 days. OR Day 1: Paclitaxel 80mg/m ² IV. Repeat cycle every 28 days. OR Day 1: Paclitaxel 80mg/m ² IV. Repeat cycle every 28 days. OR Day 1: Paclitaxel 80mg/m ² IV. Repeat cycle every 28 days.	Taxane ⁴⁵⁻⁴⁸	Day 1: Docetaxel 75-100mg/m ² IV. Repeat cycle every 21 days. OR Day 1: Paclitaxel 135-250mg/m ² IV. Repeat cycle every 21 days. OR Days 1, 8, 15 and 22: Paclitaxel 80mg/m ² IV once weekly.		
(NOTE: for HER2-neu malignancies) ²³ trastuzumab 6mg/kg IV every 3 weeks, plus chemotherapy. OR Day 1 of Cycle 1: Trastuzumab 6mg/kg IV loading dose, then 4mg/kg IV every 14 days. Chemotherapy: Day 1: Cisplatin 80mg/m² IV, plus Days 1-5: 5-FU 800mg/m² continuous IV infusion. Repeat cycle every 21 days for 6 cycles. Second-line Therapy (preferred regimens) Ramucirumab for gastric and EGJ adenocarcinoma ⁴⁹ Repeat cycle every 14 days. Day 1 and 15: Ramucirumab 8mg/kg IV. Ramucirumab + paclitaxel for gastric and EGJ adenocarcinoma ⁵⁰ Day 1 and 15: Ramucirumab 8mg/kg IV Docetaxel ⁴⁹ Day 1: Docetaxel 75-100mg/m² IV. Repeat cycle every 21 days. Day 1: Paclitaxel 135-250mg/m² IV. Paclitaxel ⁵⁰⁻⁵² Day 1: Paclitaxel 80mg/m² IV once weekly. Repeat cycle every 28 days. OR Day 1: Paclitaxel 80mg/m² IV once weekly. Repeat cycle every 28 days. OR Day 1: Paclitaxel 80mg/m² IV once weekly. Repeat cycle every 28 days. OR Day 1: Paclitaxel 80mg/m² IV. Repeat cycle every 28 days.	Second-line Therapy			
Ramucirumab for gastric and EGJ adenocarcinoma ⁴⁹ Day 1: Ramucirumab 8mg/kg IV. Repeat cycle every 14 days. Ramucirumab + paclitaxel for gastric and EGJ adenocarcinoma ⁵⁰ Day 1 and 15: Ramucirumab 8mg/kg IV Day 1, 8, and 15: Paclitaxel 80mg/m ² . Repeat cycle every 28 days. Docetaxel ⁴⁹ Day 1: Docetaxel 75-100mg/m ² IV. Repeat cycle every 21 days. Paclitaxel ⁵⁰⁻⁵² Day 1: Paclitaxel 80mg/m ² IV. Repeat cycle every 21 days. OR Day 1: Paclitaxel 80mg/m ² IV once weekly. Repeat cycle every 28 days. OR Day 1: Paclitaxel 80mg/m ² IV once weekly. Repeat cycle every 28 days. OR Days 1, 8, and 15: Paclitaxel 80mg/m ² IV. Repeat cycle every 28 days.	Trastuzumab + chemotherapy (NOTE: for HER2-neu malignancies) ²³	trastuzumab 6mg/kg IV every 3 weeks, plus chemotherapy. OR Day 1 of Cycle 1: Trastuzumab 6mg/kg IV loading dose, then 4mg/kg IV every 14 days. <u>Chemotherapy:</u> Day 1: Cisplatin 80mg/m ² IV, <u>plus</u> Days 1–14: Capecitabine 1000mg/m ² orally twice daily OR Days 1–5: 5-FU 800mg/m ² continuous IV infusion.		
EGJ adenocarcinoma ⁴⁹ Repeat cycle every 14 days. Ramucirumab + paclitaxel for gastric and EGJ adenocarcinoma ⁵⁰ Day 1 and 15: Ramucirumab 8mg/kg IV Day 1, 8, and 15: Paclitaxel 80mg/m ² . Repeat cycle every 28 days. Docetaxel ⁴⁹ Day 1: Docetaxel 75-100mg/m ² IV. Repeat cycle every 21 days. Paclitaxel ⁵⁰⁻⁵² Day 1: Paclitaxel 135-250mg/m ² IV. Repeat cycle every 21 days. OR Day 1: Paclitaxel 80mg/m ² IV once weekly. Repeat cycle every 28 days. OR Day 1: Paclitaxel 80mg/m ² IV once weekly. Repeat cycle every 28 days. OR Days 1, 8, and 15: Paclitaxel 80mg/m ² IV. Repeat cycle every 28 days.	Second-line Therapy (prefer	red regimens)		
gastric and EGJ Day 1, 8, and 15: Paclitaxel 80mg/m². adenocarcinoma ⁵⁰ Day 1, 8, and 15: Paclitaxel 80mg/m². Docetaxel ⁴⁹ Day 1: Docetaxel 75-100mg/m² IV. Repeat cycle every 21 days. Day 1: Paclitaxel 135-250mg/m² IV. Paclitaxel ⁵⁰⁻⁵² Day 1: Paclitaxel 135-250mg/m² IV. Repeat cycle every 21 days. OR Day 1: Paclitaxel 80mg/m² IV once weekly. Repeat cycle every 28 days. OR Days 1, 8, and 15: Paclitaxel 80mg/m² IV. Repeat cycle every 28 days. OR Days 1, 8, and 15: Paclitaxel 80mg/m² IV. Repeat cycle every 28 days.	Ramucirumab for gastric and EGJ adenocarcinoma ⁴⁹			
Repeat cycle every 21 days. Paclitaxel ⁵⁰⁻⁵² Day 1: Paclitaxel 135-250mg/m² IV. Repeat cycle every 21 days. OR Day 1: Paclitaxel 80mg/m² IV once weekly. Repeat cycle every 28 days. OR Days 1, 8, and 15: Paclitaxel 80mg/m² IV. Repeat cycle every 28 days.	Ramucirumab + paclitaxel for gastric and EGJ adenocarcinoma ⁵⁰	Day 1 and 15: Ramucirumab 8mg/kg IV Day 1, 8, and 15: Paclitaxel 80mg/m ² .		
Repeat cycle every 21 days. OR Day 1: Paclitaxel 80mg/m ² IV once weekly. Repeat cycle every 28 days. OR Days 1, 8, and 15: Paclitaxel 80mg/m ² IV. Repeat cycle every 28 days.	Docetaxel ⁴⁹			
	Paclitaxel ⁵⁰⁻⁵²	Repeat cycle every 21 days. OR Day 1: Paclitaxel 80mg/m ² IV once weekly. Repeat cycle every 28 days. OR Days 1, 8, and 15: Paclitaxel 80mg/m ² IV.		

GASTRIC CANCER TREATMENT REGIMENS (Part 5 of 7)

GASTRIC CANCER TREATMENT REGIMENS (Part 5 of 7)						
Metastatic or Locally Advanced Cancer (where local therapy is not indicated) ¹ (continued)						
Second-line Therapy (preferred regimens) (continued)						
REGIMEN	DOSING					
Irinotecan ^{35,51-53}	Day 1: Irinotecan 250-350mg/m ² IV. Repeat cycle every 21 days. OR Day 1: Irinotecan 150-180mg/m ² IV. Repeat cycle every 14 days. OR Days 1 and 8: Irinotecan 125mg/m ² IV. Repeat cycle every 21 days.					
Other Regimens						
Irinotecan + cisplatin ^{32,54}	Days 1 and 8: Irinotecan 65mg/m ² IV plus cisplatin 25-30mg/m ² IV. Repeat cycle every 21 days.					
Irinotecan + fluoropyridimine ^{56,57}	Day 1: Irinotecan 250mg/m ² IV Days 1–14: Capecitabine 1000mg/m ² PO BID daily. Repeat cycle every 21 days.					
Irinotecan + fluoropyridimine ^{56,57}	 Day 1: Irinotecan 180mg/m² IV plus leucovorin 400mg/m² IV plus 5-FU 400mg/m² IVP Days 1 and 2: 5-FU 600-1200mg/m²/day IV continuous infusion on Days 1 and 2. Repeat cycle every 14 days. 					
Docetaxel + irinotecan ⁴²	Days 1 and 8: Docetaxel 35mg/m ² IV plus irinotecan 50mg/m ² IV. Repeat cycle every 21 days.					
Alternative Regimens for Co	nsideration					
Mitomycin + irinotecan ⁵⁷⁻⁵⁹	Day 1: Mitomycin 6mg/m ² IV Days 2 and 9: Irinotecan 125mg/m ^{2.} Repeat cycle every 28 days. OR Days 1 and 15: Irinotecan 150mg/m ² IV Day 1: Mitomycin 8mg/m ² IV. Repeat cycle every 28 days. OR Day 1: Irinotecan 125mg/m ² IV plus mitomycin 5mg/m ² IV. Repeat cycle every 14 days.					
Mitomycin + leucovorin + 5-FU ⁶⁰						
	Weekly for 6 weeks. foll	mg/m^2 IV <u>plus</u> 5-FU 2600mg/m ² /day IV continuous infusion. owed by 2 weeks off treatment.				
References	,					
 Referenced with permission from the NCCN Clinical Practice Guidelines in Oncology[™]. Gastric Cancer. v 2.2013. Available at: http://www.nccn.org/professionals/physician_gls/pdf/ gastric.pdf. Accessed August 7, 2014. 		6.Khushalani NI, Leichman CG, Proulx G, et al. Oxaliplatin in combination with protracted-infusion fluorouracil and radiation: report of a clinical trial for patients with esophageal cancer. <i>J Clin Oncol.</i> 2002;20:2844–2850.				
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