PENNSTATE HERSHEY
Cancer Institute

REVISED April 2011

BIOCHEMOTHERAPY

Date written _____ To begin _____

Patient's: Height_____cm Weight_____kg BSA_____m^2
Allergies: ☐No ☐Yes: _____
Diagnosis _____Metastatic Site _____

Protocol:
☐Yes #_____
☐ No
Source of Drug:
☐Routine supply
☐Protocol supply
☐Other

1. Consent Obtained ?
   ☐ Yes ☐ Preprinted Consent ☐ See Dictated Note ☐ Note in Chart
   ☐ No Plan: _____

2. ACTIVATE CHEMO BIOCHEMOTHERAPY ADULT

3. Nursing:
   Draw admissions labs: call attending with results of CBC and BMP prior to starting therapy
   Vital signs q4h
   Weight qAM
   Strict I/O's
   Port or catheter care per institutional protocol.
   Place Interleukin-2 reminder sheet on patient's chart and door.
   Call HO for T > 40, SBP < 90, HR > 120, RR > 30

4. Medications:
   Famotidine 20mg po q12h
   Cephalexin 250 mg PO q6h.
   Lorazepam 1 mg IV Push PRN anxiety or nausea.

   Prochlorperazine 10 mg PO q 6 PRN nausea.
   Prochlorperazine 10mg IV PRN nausea, not tolerating oral medications

   Meperidine 25-50 mg IV in 50ml D5W over 15 minutes PRN rigors q 8 hours (use 25mg for mild rigors, 50mg for severe rigors) (May repeat 25 mg dose once, then call HO.)
   Naproxsyn: 375 mg PO q 12 PRN temp > 39C. Hold for creatinine > 2.0.
   Loperamide: 4 mg PO after first loose stool, then 2 mg after each subsequent loose stool, maximum 16mg/day.

   Diphenhydramine: 25 mg PO PRN pruritus
   Diphenhydramine: 25 mg IV Push prn pruritus if not tolerating oral medications

MD/Preparer's Signature _____

Attending Physician Signature_____

MR CHEMO ORDER

5. Hydration Orders:

Prehydration for cisplatin: NS at 500 ml/hour over 2 hours.
Posthydration for cisplatin: D5 1/2NS with 20 meq KCl/L at 250 ml/hr x 2 hr.

If not receiving pre or post hydration, then give D5 1/2NS with 20 meq of KCl/L at 100 ml/hr IV days 1-4.

6. Immunotherapy Orders: Cycle # _____ Interleukin-2_____%, Interferon _____%

Acetaminophen: 650 mg PO q6, to start 15 minutes before Interleukin-2

Interleukin-2b:

- ☐ **9 million International Units x_____m^2 x_____% = _____million International units in 250ml D5W with 0.1% albumin daily by continuous intravenous infusion for 4 days, days 1-4 to start on day 1. Hold dose and call HO if systolic BP < 90, HR > 120, or RR > 30. DO NOT add doses at the end of treatment without Attendings approval.**

- ☐ **5 million Units m^2 x _____m^2 x _____% = _____million International units subcutaneously daily x 5, days 1-5 to start with Interleukin-2 infusion. Round to nearest million units**

7. Chemotherapy Orders:

Ondansetron: 16 mg PO 30 minutes before each cisplatin dose.

Cisplatin _____%, Vinblastine _____%, Dacarbozine _____%

Cisplatin: 20 mg/ m^2 x _____m^2 x _____% = _____mg IV daily x 4days, days 1-4 at completion of prehydration. Mix cisplatin in 250 ml NS and administer over 30 minutes. (total dose=80mg/ m^2

Vinblastine: 1.2 mg/ m^2 x _____m^2 x _____% = _____mg IVP daily days 1-4 following cisplatin. (total dose=4.8mg/m^2

Darcarbazine: 800 mg/ m^2 x _____m^2 x _____% = _____mg IV in 250 ml D5W over 2 hours following vinblastine on day 1 only. (total dose= 800mg/ m^2)

MD/Preparer's Signature _____

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MR CHEMO ORDER

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at Penn State Milton S. Hershey Medical Center

8. Laboratory Studies:
   On admission: CBC, BMP, Ca, Mg, PO4, PT, PTT,
   LFT's, TSH, T4
   Daily: BMP
   Every other day: CBC, LFT's, Mg, PT, PTT
   Blood cultures x 1 qd for temp spikes > 39C

9. Reminders:
   No IV contrast during Interleukin-2 treatment without approval of Attending.
   No RBC transfusions during Interleukin-2 without approval of Attending.
   No steroids without approval of Attending.
   No diuretics without approval of Attending.

10. Discharge Medications and Instructions:

Cephalexin 250 mg PO BID, write prescription for 2 week supply.
Warfarin 1 mg PO daily write prescription for 2 week supply.
Famotidine 20 mg PO BID, write prescription for 2 week supply.
Filgrastim (G-CSF) : 300 mcg subcutaneously daily x 10 days.

☐ Interferon alfa-2b: 5 million Units/ m^2 x _____m^2 x _____% = _____million Units sub Q SQ on days 8, 10 and 12 (pending CBC results). Round to nearest million units.

Laboratory Studies QMWF 3 weeks: CBC, diff, plt, Lytes, renal, LFT's, LDH, Ca, Mg, PO_4, fax results to (717)531-4969.

MD/Preparer's Signature _____

Attending Physician Signature_____

MR CHEMO ORDER