BCCA Protocol Summary for Topical Carmustine in Cutaneous T-cell Lymphoma

Protocol Code  
LYCARTOP

Tumour Group  
Lymphoma

Contact Physician  
Dr. Christina Parsons

ELIGIBILITY:

- Histology: cutaneous T-cell lymphoma (mycosis fungoides)
- Used as an alternate to topical mechlorethamine (nitrogen mustard). Note: carmustine does not cross react with other alkylating agents and can be used in patients allergic to mechlorethamine.

TESTS:

- Baseline (required before first treatment): CBC and diff, platelets
- For application to greater than 10% BSA: monthly CBC and diff, platelets x 1 year or as specified by Skin Lymphoma Team member
- For application to less than 10% BSA: q 3 monthly CBC and diff, platelets x 1 year or as specified by Skin Lymphoma Team member

TREATMENT:

<table>
<thead>
<tr>
<th>Drug</th>
<th>Dose</th>
<th>BCCA Administration Guideline</th>
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</thead>
<tbody>
<tr>
<td>Carmustine</td>
<td>0.4% in white petrolatum</td>
<td>Apply daily to lesions as directed by Skin Lymphoma Team member</td>
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</tbody>
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Treatment will continue daily until 1 year after remission or as specified by Skin Lymphoma Team member

DOSE MODIFICATIONS:

1. Hematological:

<table>
<thead>
<tr>
<th>ANC (x 10^9/L)</th>
<th>Platelets (x 10^9/L)</th>
<th>Dose Modification</th>
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<tbody>
<tr>
<td>less than 1.2</td>
<td>or less than 75</td>
<td>variable</td>
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</tbody>
</table>

Contact your Skin Lymphoma Team member
PRECAUTIONS:
1. **Cutaneous Reactions:** Erythematous reactions may occur as early as 4 weeks after initiating treatment. Erythema, skin tenderness and telangiectasia may occur. If this occurs, stop applying the ointment to the affected areas until this resolves.
2. **Drug Interactions:** Because carmustine can be absorbed systemically from topical application, other drugs such as cimetidine, digoxin (LANOXIN®) and phenytoin (DILANTIN®) may interact with carmustine.

Call tumour group chair at (604) 877-6000 or 1-800-663-3333 with any problems or questions regarding this treatment program.

Date activated: 01 June 2010

Date revised:

REFERENCES: