F-369  A MODIFIED VERHOEFF ELASTIC-VAN GIESEN STAIN

(Consistant and shorter staining time!)

Fixation:  10% Buffered Neutral Formalin (F-113)

Sections:  4-5 microns.

Staining:

1. Deparaffinize and hydrate sections.
2. Stain in modified Verhoeff at room temperature for 7 minutes or in a 60°C oven for 3 1/2 minutes.
   To prepare modified Verhoeff Working Elastic solution,
   Mix just before use:
   3 parts  Alcoholic Hematoxylin, 3%  (F-369-1)
   2 parts  Ferric Chloride 2%, aqueous  (F-369-2)
   1 part  Lugol's Iodine  (F-369-3)
3. Wash in running warm tap water for 1 minute.
4. Differentiate in  Ferric Chloride, 0.4% aq.  (F-369-4) for 75 seconds.
5. Wash in running warm tap water for 5 minutes.
6. Counterstain in  Van Giesons Solution  (F-369-5) for 60 seconds.
7. Dehydrate, clear and mount with Permount.

Results:

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<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>Nuclei</td>
<td>Grayish-black</td>
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<tr>
<td>Elastic Fibers</td>
<td>Bluish-black</td>
</tr>
<tr>
<td>Collagen fibers</td>
<td>Red</td>
</tr>
<tr>
<td>Muscle</td>
<td>Greenish yellow</td>
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</tbody>
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References: