F-372  TANZER-UNNA ORCEIN METHOD

FIXATION: Any Fixative
SECTION: Paraffin, @ 6 microns

STAINING PROCEDURE:

1. Filter Tanzer's Orcein (F-372-1) onto sections and warm gently in an incubator or over a small flame 10-15 minutes until the solution thickens, or alternatively, leave sections in the solution at room temperature overnight.

2. Wash off thoroughly in 70% alcohol.

3. Wash in distilled water to remove all acid and to fix color.

4. Dilute Unna's Polychrome Methylene Blue, (F-372-2) 1:10 or 1:15 with distilled water and stain nuclei 1 minute in diluted solution. (If it is desired to have only the elastic fibers stained, dip sections for a few seconds in Acid Alcohol, (F-372-2A), before washing in distilled water and omit the nuclear stain.

5. Differentiate and dehydrate in 95% alcohol followed by absolute alcohol.

6. Clear in Xylene (C-120) and mount in Balsam (M-4).

RESULTS:

- Elastic Fibers…………………………deep brown to purple
- Nuclei……………………………………blue
- Connective Tissue………………………pale brown

REFERENCES:


Mallory, F.B., Pathological Technique, W.B. Saunders Co., Phila., 1938.


January 26, 2018