PINEAL STAIN - ACHUCARRO-HORTEGA MODIFICATION
PARAFFIN-EMBEDDED FORMALIN-FIXED TISSUE

SECTIONING: 6µ, silinated slides, allow to dry overnight 37°C oven.

SOLUTIONS:

SOLUTION A
2% silver nitrate 100.0 ml
Pyridine 1.2 ml

SOLUTION B
10% silver nitrate 10.0 ml
5% sodium carbonate 30.0 ml
Mix well, add:
Ammonium hydroxide drop by drop until clear.
Add:
Distilled water 110.0 ml

SOLUTION C
10% silver nitrate 50.0 ml
Add ammonium hydroxide drop by drop until precipitate is almost dissolved, filter.

1% FORMALIN
Formaldehyde 15.0 ml
Distilled water 150.0 ml
Pyridine 0.3 ml

0.2% GOLD CHLORIDE

5% HYPO

PROCEDURE:
1. Deparaffinize to distilled water, do not rinse after any of the following steps unless specified:
2. Solution A, for 2 hours, 56-58°C
4. Solution C, 2 minutes.
5. Reduce in 1% Formalin solution, 3 changes, make the first change after 3-5 seconds.
6. Wash in running water for 5 minutes. Rinse in distilled.
7. Tone in 0.2% gold chloride for 10-15 minutes.
8. Rinse in distilled water.
9. Fix in 5% Hypo, 5 minutes.
10. Wash in running water for 5 minutes, rinse in distilled.
11. Dehydrate, clear and mount.
NERVE TISSUE
ACHUCARRO-HORTEGA MODIFICATION

RESULTS:
Club-shaped processes black
Background amber/tan/gray

Prepared:____________________  By:__________________

Approved:___________________  By:__________________

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