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Appendix I Questionnaire

Sudan University Of Sciences and Technology
College Of Graduate Studies
Msc in histopathology and Cytology

Questionnaire

Serial No( )
- Name ..............................................
- Age ..............................................
- Gender .......................................... 
- Residence ...................................... 
- Tel. No .......................................... 
- Diagnosis ...................................... 

..............................................................

- Grade :
  Well ( )   Moderate ( )   Poor ( )
  undifferentiated ( )

- Stage:

- The immunohistochemical results:

- β-catenin .........................
  Membranous ( )  Membranous\cytoplasmic ( )
  Cytoplasmic\nuclear ( )

- lymph node metastasis:
  Yes ( )   No ( )
Appendix II

Materials used for processing of specimens:
- Rotary microtome
- Microtome knife
- Frosted slides
- Coated slides
- Pencil
- Floating out water bath
- Distilled water
- Oven

Materials used for routine staining of specimens:
- Staining racks
- Auto-stainer
- Xylene
- Ethanol (Absolute, 90%, 70%)
- Mayer's haematoxylin (1 gm haematoxylin, 50 gm aluminum ammonium sulfate, 0.2 sodium iodate, 50 gm chlora hydrate, 1 gm citric acid and 1 litre distilled water)
- 1% Eosin (1 gm eosin in 100 ml DW).
- Tape water for bluing.
- DPX
- Cover glass

Materials for immunohistochemistry staining:
- staining racks
- humid chamber
- Dako sealing pen
- Retrieval solution (10mM Tris-base, 1mM EDTA, 0.05% Tween 20, pH 9.0 prepared as the following: tris 1.21 gm; EDTA 0.37 gm, 1L D.W)
- Washing buffer phosphate buffer PH 6 as 10X
- Peroxidase blocking solution: (.25% of hydrogen peroxide in methanol)
- Anti-beta. Catenin primary antibody.
- Secondary conjugated antibody
- DAB (3.3 diaminobenzidine)
- DAB substrate buffer.
- Mayer's haematoxylin.

Appendix III photos: