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Appendix I Questionnaire

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Msc in histopathology and Cytology

Questionnaire

Serial No()

- Name
- Age
- Gender
- Residence
- Tel. No
- Diagnosis

.....

- Grade :

Well () Moderate () Poor ()
undifferentiated ()

- Stage:

Duke' A() Duke' B () Duke's C ()

- 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 (1gm haematoxylin, 50gm aluminum ammonium sulfate, 0.2 sodium iodate, 50gm chloral hydrate, 1gm citric acid and 1litre distilled water)
- 1% Eosin (1gm 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 0.37gm , 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:**

