

**Appendix 4: Biopsy report of mare 4 submitted by a South African referral veterinarian in 2002 and categorized as biopsy Grade IIB**

**History:** 15-year- old, barren > 2 years. Intraluminal fluid at time of biopsy (dioestrus)

**Quality of section:** good      **Length:** 1.0 cm

**Luminal contents:** none

**Luminal epithelium:** tall columnar, scattered focal mild infiltrate (round cell)

**Str. Compactum:** diffuse, mild infiltrate (round cell & polymorph.)

**Str. Spongiosum:** n/a

**Stroma:** scattered, focal mild infiltrate (round cell); multifocal mild-moderate periglandular fibrosis with gland nesting.

**Glands:** scattered focal dilatation with inspissated contents

**Blood vessels:** n/a

**Lymphatics:** n/a

**Diagnosis:** Mild endometritis (acute) mild to moderate chronic endometritis (endometrosis)

**Category:** **IIB**

**CONCLUSION:** 30 – 50 % chance of carrying to term. The history of prolonged barren period would tend to bias this chance towards 30%. Will need to investigate aetiology of acute endometritis vis endometrial swab for culture and cytology. Will need to treat appropriately according to antibiogram. This will improve the prognosis to a degree.