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ENDOMETRIOSIS PELVIC MRI ASSESSMENT –

BR PROFORMA REPORT BLIND REVIEW

Uterus

- 1: Absent
2: Present

Uterine anatomy

1. Conventional
2. Arcuate
3. Septate
 - a. Full septum
 - b. Subseptate
4. Bicornuate unicollis
5. Bicornuate bicollis
6. Didelphys
7. Other (free text enabled).

Uterine Lie (can be more than one selection)

1. Anteverted
2. Anteflexed
3. Retroverted
4. Retroflexed
5. Axial
6. Others (please specify) (Free text enabled)

Uterine Size (body + cervix – 3 planes in mm)

1. (Free text).

Endometrial thickness (sag plane in mm to nearest mm)

1. (Free text)

Endometrial lesions

1. Not identified.
2. Present. Polyp.
 - 2b-1: No. of polyps (free text)
 - 2b-2: Size of each polyp. (free text)

Adenomyosis

1. No MRI supportive features
2. Supportive MRI features as described:
 1. Submucosal cysts.
 2. Abnormal junctional zone thickening and measurement
 - i. Anterior (mm)
 - ii. Fundal (mm)
 - iii. Posterior (mm)

Presence of an adenomyoma

- 1: No
2: Yes

Fibroids

- 1: No
2: Yes
 - 2a: Number of fibroids:
 - 2b: Largest fibroids (location and size mm all fibroids >10mm and/or impact on the cavity) – (Free text)
 - 2b: Submucosal fibroids
 - 2b-0: No

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2b-1: Yes

2b-1-1: (description: free text)

Left ovary

- 1: Absent (Branching logic – move to “Right ovary”)
2: Present

- probably! very hard to see

Left ovary size (3 planes and volume)

1. NN x NN x NN mm 24 x 20 x 21
2. Volume (above x 0.52). 5.3

Left ovary follicle measurements and count

1. N follicles between 2 and 9 mm in diameter
 - a. (Free text) 7
2. N follicles > 9 mm
 - a. (Free text) -
3. Dominant follicle
 - a. Y
 - b. N.

Left ovary position

- 1: Lateral adnexa. Unremarkable.
- 2: High positioning in iliac fossa.
- 3: Tethered/ distorted appearances – (may be multiple options)
 - 3a: Intimate relationship to the lateral uterus
 - 3b Intimate relationship/ tethering to adjacent bowel.
 - 3c. Tethering to pelvic sidewall
 - 3d: Tethering to the uterosacral ligament

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3e: Other: (free text)

Left ovarian endometrioma

1: No
2: Yes

1a: Size: NN in millimetres (mm)
1b: T2 shading (intermediate/low homogeneous T2 signal).
1b-0: No
1b-1: Yes
1c: T1 fat sat hyperintense
1c-0: Absent
1c-1: Present
1d: Internal nodularity, septation or other complexity.
1d-1: No
1d-2: Yes
1-d-2-1: (Free text)

Left ovarian lesions/cysts other than suspected endometriomas

1: Not classifiable
2: Lesion features
2a: Unilocular cyst
2b: Unilocular-solid cyst
2c: Multilocular cyst
2d: Multilocular-solid cyst
2e: Solid
3: Vascularity (post gadolinium enhancement).
3a: Present

3b: Absent

4 Fat component (T1/ T2 hyperintense. Low signal on fat suppression).

4a: Present.

4b: Absent.

Right ovary

1: Absent (Branching logic – move to “Adnexa”)
2: Present

Right ovary size (3 planes and volume)

1. NN x NN x NN mm
2. Volume (above x 0.52).

Right ovary follicle measurements and count

1. N follicles between 2 and 9 mm in diameter
a. (Free text)
2. N follicles > 9 mm
a. (Free text)
3. Dominant follicle
a. Y
b. N.

Right ovary position

1: Lateral adnexa. Unremarkable.
2: High positioning in iliac fossa.
3: Tethered/ distorted appearances – may be multiple options.
3a: Intimate relationship to the lateral uterus
3b Intimate relationship/ tethering to

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adjacent bowel.

3c. Tethering to pelvic sidewall

3d: Tethering to the uterosacral ligament

Right ovarian endometrioma

1: No
2: Yes

2a: Size: NN in millimetres (mm)
2b: T2 shading (intermediate/low homogeneous T2 signal).
2b-0: No
2b-1: Yes
2c: T1 fat sat hyperintense
2c-0: Absent
2c-1: Present
2d: Internal nodularity, septation, complex.
2d-1: No
2d-2: Yes

Right ovarian lesions/cysts other than suspected endometriomas

1: Not classifiable
2: Lesion features
2a: Unilocular cyst
2b: Unilocular-solid cyst
2c: Multilocular cyst
2d: Multilocular-solid cyst
2e: Solid
3: Vascularity (post gadolinium enhancement).
3a: Present

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3b: Absent

4 Fat component (T1/ T2 hyperintense. Low signal on fat suppression).

4a: Present.

4b: Absent.

Adnexa

1: Hydrosalpinx

1a: No

1b: Yes

2: Hematosalpinx

2a: No

2b: Yes

3: Other (free text).

Are both ovaries immediately approximated "kissing"?

1: No

2: Yes

Urinary bladder nodule

Definition: Is there presence of a nodule in the bladder.

1: Absent

2: Present

2a: Size: NN in millimetres (mm)

Uterovesical region

Definition: Assessment of whether there is a visible preserved fat plane +/- physiologic fluid +/- absent distortion between the anterior uterine serosa and bladder.

1: Normal.

2: Abnormal.

2a: (free text if required)

Ureteric nodule(s)?

1: Absent

2: Present

2a: Location (free text + distance to ureteric orifice/ VUU)

2b: Size (mm)

Pouch of Douglas obliteration

Definition: Assessment for abnormal loss of fat plane +/- physiologic fluid and immediate approximation of rectosigmoid and/or small bowel to the posterior uterine serosa, cervix +/- vaginal wall.

Discrete linear bands may be visible (↓ T1, ↓ T2)

1: Negative

2: Partial

2a: Left

2b: Right

3: Complete

3a: Positive = obliteration.

3b: Positive = band adhesions.

Nodules present on the posterior vaginal fornix?

Definition: Thickening of superior 1/3 of posterior vaginal wall +/- nodularity. Nodules: ↓ T2 ↑ T1 (if active haemorrhagic deposits)

1: No

2: Yes

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2a: Dimension of nodule to be measured in millimetres (mm).

2b1: Inactive.

2b2: Active

Vaginal forniceal elevation?

Definition: Upper level of fornix on sagittal view is superior to the angle of the uterine isthmus with stretching of vaginal wall, and/or acute angulation of the fornix.

1: No

2: Yes

2a: Left.

2b: Right

2c: Left and Right.

Rectovaginal nodules present?

Definition: Presence of deep infiltrating endometriosis in the anterior rectal wall and posterior vaginal fornix, located below the peritoneum of the Pouch of Douglas. Inactive/ fibrotic disease characterised as ↓ T1 ↓ T2 signal. Active disease as ↑ T1, ↑ to intermediate- T2 signal (hemorrhagic/ proteinaceous content + glandular deposits).

1: No

2: Yes

2a: Size (mm)

2b1: Inactive.

2b2: Active

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Uterosacral ligament nodules or thickening?

Definition: Inactive/ fibrotic disease nodules characterised as ↓ T1 ↓ T2 signal.

Active disease as ↑T1, ↑ to intermediate- T2 signal (hemorrhagic/ proteinaceous content + glandular deposits).

1: No

2: Yes nodules

2a: Left

2a-1: Size (mm)

2b: Right

2b-1: Size (mm)

2c1: Inactive.

2c2: Active

3: Yes thickening.

3a: Left.

3b: Right

3c: Both.

Retrocervical nodule present?

Definition: Inactive/ fibrotic disease characterised as ↓ T1 ↓ T2 signal.

Active disease as ↑T1, ↑ to intermediate- T2 signal (hemorrhagic/ proteinaceous content + glandular deposits).

1: No

2: Yes

2a: Size (mm)

2b1: Inactive.

2b2: Active

Rectum and colon:

Is there bowel deep infiltrating endometriosis seen?

Definition: Inactive/ fibrotic disease characterised as ↓ T1 ↓ T2 signal.

Active disease as ↑T1, ↑ to intermediate- T2 signal (hemorrhagic/ proteinaceous content + glandular deposits).

"Mushroom cap sign" is specific to severe invasive bowel endometriosis and is characterized as a plaque with ↓ T2 at its 'base' and ↑ T2 at its 'cap'.

1: No

2: Yes

2a: Distance from the anal verge

2a-1: Length (mm)

2b: Lesion type

2b-1: Isolated lesion

2b-2: Multiple lesions

2b-3: Curved lesion

2b-4: Straight lesion

2c: Maximal depth layer of invasion each lesion (muscularis, submucosa, mucosa).

2c-1: Lesion 1: (free text)

(2c-2: Lesion 2 (free text) - delete if not relevant

(2c-3 etc.)

2c: Is it stuck to any structures or free lying?

2d-1: Vagina

2d-2: Uterus

2d-3: Uterosacral ligaments

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2d-4: Ovary

2d: Plaque thickness

2a: 1-5mm.

2b: 6-10mm.

2c: >11mm.

2e: Activity

2f1: Inactive.

2f2: Active.

2f: "Mushroom cap" appearance:

2g1: Present.

2g2: Absent.

Is there evidence of tethering of the bowel?

1: No

2: Yes, tethered to

2a: Uterus

2b: L. ovary

2c: R. ovary

2d: L. uterosacral ligament nodule

2e: R. uterosacral ligament nodule

2f: L pelvic side wall.

2g: R pelvic side wall.

2h: Other.

Any other salient findings on the study:

1. No

2. Yes

a. (Free text).

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