

Comparison between placenta accreta scoring system, ultrasound staging and clinical classification

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Table S3. Clinical classification*

Grade	Definition
1	<p>Grade 1: Abnormally adherent placenta (placenta adherenta or creta)</p> <ul style="list-style-type: none">• At vaginal delivery○ No separation with synthetic oxytocin and gentle controlled cord traction○ A empts at manual removal of the placenta results in heavy bleeding from the placenta implantation site requiring mechanical or surgical procedures• If laparotomy is required (including for cesarean delivery)○ Same as above○ Macroscopically, the uterus shows no obvious distension over the placental bed (placental “bulge”), no placental tissue is seen invading through the surface of the uterus, and there is no or minimal neovascularity
2	<p>Grade 2: Abnormally invasive placenta (Increta)</p> <p>Clinical criteria</p> <ul style="list-style-type: none">• At laparotomy○ Abnormal macroscopic findings over the placental bed: bluish/purple colouring, distension (placental “bulge”)○ Significant amounts of hypervascularity (dense tangled bed of vessels or multiple vessels running parallel craniocaudially in the uterine serosa)○ No placental tissue seen to be invading through the uterine serosa.○ Gentle cord traction results in the uterus being pulled inwards without separation of the placenta (so-called the dimple sign)
3	<p>Grade 3: Abnormally invasive placenta (Percreta)</p>
3a	<p>Grade 3a: Limited to the uterine serosa</p> <p>Clinical criteria</p> <ul style="list-style-type: none">• At laparotomy○ Abnormal macroscopic findings on uterine serosal surface (as above) and placental tissue seen to be invading through the surface of the uterus○ No invasion into any other organ, including the posterior wall of the bladder (a clear surgical plane can be identified between the bladder and uterus)

3b Grade 3b: With urinary bladder invasion

Clinical criteria

- At laparotomy
- Placental villi are seen to be invading into the bladder but no other organs
- Clear surgical plane cannot be identified between the bladder and uterus

3c Grade 3c: With invasion of other pelvic tissue/organs

Clinical criteria

- At laparotomy
- Placental villi are seen to be invading into the broad ligament, vaginal wall, pelvic sidewall or any other pelvic organ (with or without invasion of the bladder)

* adapted from FIGO classification for the clinical diagnosis of placenta accreta spectrum disorders