

Information to Accompany Partograph Case Study

CASE 1

Stage 1

- Mrs. B was admitted to the hospital at 10:00 a.m. on Feb. 5, 2000.
- Membranes intact.
- Primigravida, primipara.
- Medical record number: 1443.

Note the information above on the partograph, along with the following details:

- The fetal head is 5/5 palpable above the symphysis pubis.
- The cervix is 4 cm dilated.
- Mrs. B is having 2 contractions every 10 minutes, with a duration of less than 20 seconds each.
- The fetal heart rate (FHR) is 140.
- Membranes intact.
- Blood pressure: 100/70.
- Temperature: 36.2°C.
- Pulse: 80/minute.
- Urinary output: 400 ml; negative for protein & acetone.

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Stage 2

Plot the following information on the partograph:

10.30 a.m. FHR 140, Contractions 2/10 with a duration of 15 seconds, Pulse 90.

11.00 a.m. FHR 136, Contractions 2/10 with a duration of 15 seconds, Pulse 88,
membranes intact.

11.30 a.m. FHR 140, Contractions 2/10 with a duration of 20 seconds, Pulse 84.

12.00 p.m. FHR 136, Contractions 2/10 with a duration of 15 seconds, Pulse 88,
Temperature 36,2°C.

- The fetal head is 5/5 palpable above the symphysis pubis.

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Stage 3

Plot the following information on the partograph:

12.30 p.m. FHR 136, Contractions 1/10 duration of 15 seconds, Pulse 90.
1.00 p.m. FHR 140, Contractions 1/10 duration of 15 seconds, Pulse 88.
1.30 p.m. FHR 130, Contractions 1/10 duration of 20 seconds, Pulse 88.
2.00 p.m. FHR 140, Contractions 2/10 duration of 20 seconds, Pulse 90, Temperature 36,8°C, BP 100/70.

- Urinary output: 300 ml.: negative for protein & acetone.
- Membranes intact.
- Cervix 4 cm. dilated, fetal skull bones are separated and the sutures are easily palpable.
- The fetal head is 3/5 palpable above the symphysis pubis.

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Stage 4

Plot the following information on the partograph:

At 2:00 pm

- Artificial rupture of membranes, amniotic fluid transparent.
- Labor induced with oxytocin (2.5 units in 500 ml. IV fluid, 10 drops per minute).
- 2:30 p.m.:
 - 2 contractions in 10 minutes, each with a duration of 30 seconds.
 - Drip is increased to 20 drops per minute.
 - FHR 140, Pulse 88, BP 120/80.
- 3 p.m.:
 - 3 contractions in 10 minutes, each with a duration of 30 seconds.
 - IV infusion increased to 30 drops/min.
 - FHR 140, Pulse 90.
- 3:30 p.m.:
 - 3 contractions in 10 minutes, each with a duration of 30 seconds.
 - IV infusion increased to 40 drops/min.
 - FHR 140, Pulse 88.
- 4 p.m.:
 - Fetal head 2/5 palpable (De Lee plane 0).
 - Cervix 6 cm dilated.
 - 3 contractions in 10 minutes, each of 30 seconds duration.
 - IV infusion increased to 50 drops/min.
- 4.30 p.m.:
 - FHR 140, Pulse 90, 3 contractions in 10 minutes, each of 45 seconds duration.

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Stage 5

Plot the following information on the partograph:

5.00 p.m. FHR 138, Pulse 88, 3/10 duration of 40 seconds, maintain IV infusion at 50 drops/min.

5.30 p.m. FHR 140, Pulse 90, 3/10 duration of 45 seconds, maintain IV infusion at 50 drops/min.

6.00 p.m. FHR 140, Pulse 90, 4/10 duration of 50 seconds, maintain IV infusion at 50 drops/min.

6.30 p.m. FHR 144, Pulse 90, 4/10 duration of 50 seconds, maintain IV infusion at 50 drops/min.

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Stage 6

Plot the following information on the partograph:

- 7 p.m.:
 - Fetal head 0/5 palpable (De Lee plane +4).
 - FHR 144, Pulse 90, Contractions 4 in 10 minutes, duration 50 seconds each.
 - Cervix completely dilated.

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Stage 7

Note the following information in the partograph:

- 8 p.m.: Spontaneous birth of a live male weighing 2,654 g.