

CASE PRESENTATION ON ANEMIA IN PREGNANCY

**RADHIKA.MUDUGANTI
8TH SEMISTER**

CASE

- A 28 yr old married Hindu female r/o parada, agricultural labourer by occupation belongs to socioeconomic group of class-2.

CHIEF COMPLAINTS...

- ◉ She is **G3 P2 L1 D1** with 9 months of amenorrhea came for regular antenatal checkup.
- ◉ **LMP** -27 July 2014.
- ◉ **EDD** -4th May 2015.
- ◉ **POG**-35 wks 4 days.[as on 3rd April 2015].

H/O PRESENT ILLNESS..

- ◉ She is perceiving fetal movements.
- ◉ No h/o pain abdomen, no h/o back ache ,no h/o bleeding or leaking per vaginum , no h/o burning micturition.

MENSTRUAL HISTORY...

- ◉ Age of menarche 13 yrs.
- ◉ 5/30 regular cycles . normal flow
- ◉ No pain and no h/o clots during menstruation.

MARITAL HISTORY

- ⦿ Age at marriage -18 yrs.
- ⦿ 8 yrs of marital history.
- ⦿ Nonconsanguinous marriage.
- ⦿ No h/o usage of oral contraceptives.

OBSTETRIC HISTORY...

P1...

- ◉ Conceived spontaneously 1 yr after marriage. Had regular antenatal check ups ; tetanus toxoid 3 doses taken; IFA taken only for 2 months.
- ◉ H/O blood transfusion.
- ◉ She delivered a male healthy baby by FTNVD with episiotomy at KIMS narketpally.
- ◉ The baby was 3.5 kgs at the time of birth.
- ◉ No h/o postpartum hemorrhage
- ◉ Breast feeding done for 2yrs and immunized.

P2...

- ◉ She conceived spontaneously 3yrs after birth of 1st child , has an uneventful antenatal history.
- ◉ IFA taken for 3 months, TT 2doses taken.
- ◉ She delivered a male baby by LSCS [indication- postdated with no labour pains]..
- ◉ Baby was 2.5kgs at birth.
- ◉ Postoperative period was uneventful.
- ◉ Suture removal done on 8th day, wound was healthy.
- ◉ Baby was died after 18 days due to congenital heart disease.

P3...[PRESENT]

- ◉ She conceived spontaneously 15 months after birth of 2nd child.

TRIMESTER HISTORY:

First trimester...

- ◉ Pregnancy was confirmed at 2nd month by urine pregnancy test.
- ◉ Scan done at 3rd month.
- ◉ First trimester was uneventful.
- ◉ Folic acid supplementation taken.

Second trimester...

- Quickening at 5th month.
- Tetanus toxoid taken at 3, 5th months.
- Scan done at 3,5,7,8th months.
- TIFFA scan done at 5th month.
- 2nd trimester was also uneventful.
- IFA and calcium supplementation taken for 2 months.

Third trimester...

- ⦿ Perceiving fetal movements .
- ⦿ No h/o burning micturition, leaking or bleeding per vaginum, pain abdomen.

PAST HISTORY

- No h/o hypertension, diabetes mellitus , thyroid disorders , bronchial asthma , heart diseases.
- h/o blood transfusion 5yrs back.
- h/o LSCS 2YRS back.

PERSONAL HISTORY

- ◉ **Diet-mixed,**
- ◉ **Appetite-normal,**
- ◉ **sleep-adequate,**
- ◉ **bowel and bladder-regular.**
- ◉ **Good personal hygiene ,does moderate exercise.**
- ◉ **No addictions.**

DRUG HISTORY

- No known drug allergies.
- No h/o of prolonged medication

GENERAL EXAMINATION

- Patient is conscious coherent cooperative well oriented to time, place, person. Moderately built and nourished.
- height-158cm
- Weight-54kg
- Weight gain during pregnancy-7kgs.
- PALLOR-present, [++]
- ICTERUS- absent,
- CYANOSIS- absent,
- CLUBBING-absent,
- GENERALIZED LYMPHADENOPATHY- absent,
- PEDAL EDEMA- absent.

VITALS...

- ⊙ **Pulse:** 84 bpm regular normal in character and volume
- ⊙ **Blood pressure** -110/70 mm of hg.
- ⊙ **Respiratory rate**- 16 cycles per min.
- ⊙ **Afebrile.**

- ⊙ *Breast ,Spine , Thyroid normal.*

OBS EXAMINATION

INSPECTION....

- ⊙ Patient was examined in dorsal position.
- ⊙ On inspection abd. is distended, globular .
- ⊙ Umbilicus everted, central.
- ⊙ Stria gravidarum → present,
- ⊙ linea nigra → present.
- ⊙ Transverse scar in the lower abdomen of about 8cm is seen.
- ⊙ All quadrants of abdomen moving equally on respiration.
- ⊙ No engorged veins

PALPATION...

- ⦿ Uterus relaxed.
- ⦿ On palpation fundal ht corresponds to 34-36 wks of gestation.
- ⦿ Symphysio fundal ht-34 cms.
- ⦿ Abdominal girth-94cms.
- ⦿ GRIPS...
- ⦿ Fundal grip-soft irregular mass suggestive of breech.
- ⦿ Rt lateral grip -smooth curved resistant structure suggestive of spine.
- ⦿ Lt lateral grip-small knob like irregular parts suggestive of limbs.

PALPATION CONT...

- ⦿ 1st pelvic grip-Hard globular structure felt, suggestive of fetal head.
- ⦿ 2nd pelvic grip-hands converging.
- ⦿ Liquor adequate clinically.
- ⦿ No scar tenderness.

AUSCULTATION...

- ⦿ Fetal heart sounds heard.
- ⦿ Approx. 130-140 bpm

PER VAGINAL EXAMINATION....

- ⦿ Cervix soft and posterior.
- ⦿ external os closed.

PROVISIONAL DIAGNOSIS

- G3P2L1D1 with 35 weeks 4 days of gestation with previous LSCS with moderate anemia.

INVESTIGATIONS...

COMPLETE BLOOD PICTURE [on3/4/15]

- ⊙ Hb-7.8gm%.
- ⊙ Total count-9,600/cumm.
- ⊙ Differential count-
 - Neutrophils -75%,
 - Lymphocytes-17%,
 - eosinophils-05%,
 - monocytes-03%,
 - basophils-00%.
- Platelet count- 2.66 lakh/cumm.

PERIPHERAL BLOOD SMEAR..

- ◉ Microcytic Hypochromic.
- ◉ Blood group-**AB**
- ◉ RH typing- **Positive**
- ◉ **BLEEDING TIME...2min**
- ◉ **CLOTTING TIME ...3min 30 sec**

COMPLETE URINE EXAMINATION

Color → pale yellow.

Appearance → clear.

Reaction → acidic.

sp.gravity → 1.010.

Albumin → nil.

Sugar → nil.

Bile salts → nil.

Bile pigments → negative.

Pus cells → 1-2.

Epithelial cells → 2-3.

RBCs → nil.

Crystals → nil .

Others → nil

GLUCOSE CHALLENGE TEST

- ⦿ RANDOM BLOOD SUGAR → 85mg/dl.
- ⦿ RANDOM URINE SUGAR → Nil.
- ⦿ FIRST HR BLOOD SUGAR → 101mg/dl.
- ⦿ FIRST HR URINE SUGAR → nil

ULTRA SOUND FINDINGS [on3/04/15]

- ⊙ **BPD**→86.2 mm→34 wks 5days.
- ⊙ **HC**→308mm→34wks 1 day.
- ⊙ **AC**→301mm→34wks 1day.
- ⊙ **FL**→63.3mm→32wks 5days.
- ⊙ **EDD** by Scan→15/5/15.
- ⊙ **FHR**→149 bpm.
- ⊙ **AFI**→14-15.
- ⊙ **ESTIMATED FETAL WT**→2.3 KG, **PLACENTA**→
posterior, grade 2 maturity

FINAL DIAGNOSIS

- ⦿ G3P2L1D1 35 weeks 4days of gestation with previous LSCS, with moderate anemia.

**PT WAS KEPT ON ORAL IRON SUPPLIMENT
AND ADVICED TO COME BACK AFTER 2WKS.**

FOLLOW UP

PT came back on 16/04/2015 and investigations were repeated.

COMPLETE BLOOD PICTURE

[on 16/4/2015]

- ◉ Hb → 8.6.g%
- ◉ Total count → 10,100/cumm.
- ◉ Neutrophils → 67%.
- ◉ Lymphocytes → 28%.
- ◉ Eosinophils → 03%
- ◉ Monocytes → 02%
- ◉ Basophils → 0%

PERIPHERAL BLOOD SMEAR

- ⊙ MICROCYTIC HYPOCHROMIC
- ⊙ BLEEDING TIME → 2min.
- ⊙ CLOTTING TIME → 4min.
- ⊙ Complete urine examination → Normal.
- ⊙ Culture and sensitivity → Non reactive.

ON 16/4/15

- ⦿ Patient came to the hospital on 16/4/15 and was admitted on same day.
- ⦿ 2 units of blood was reserved.
- ⦿ She was put on oral hemateminics and multivitamin tablets.
- ⦿ Protein powder with milk.
- ⦿ Corticosteroid inj. 2doses 24hrs apart.
- ⦿ NST → Reactive

ON 17/04/2015

- packed cell transfusion was given.
- Hb was repeated on 20/04/15. hb level was 8.8 gm./dl.
- Peripheral smear microcytic hypochromic.
- ◉ Same oral medication continued.
- ◉ NST → REACTIVE.
- ◉ Patient was monitored regularly.
- Complete urine examination → normal

On 21/4/15

- ◉ General condition fair.
- ◉ Temp. normal
- ◉ pulse 74bpm regular normal vol rhythm
- ◉ Bp 110/60mmhg

P/A

- ◉ Fundal ht 36 wks
- ◉ Uterus irritable
- ◉ Cephalic
- ◉ FHS present
- ◉ Liquor adequate clinically.

p/v

- ⊙ Cervix long, soft, posterior.
- ⊙ Os admitting tip of the finger.
- ⊙ Patient was kept nil by mouth tentatively.
- ⊙ Prepared for Emergency lower segment caesarian section as the patient was in labour.

Pre operatively...

- ⦿ IV canulisation ,foley's catheterization done.
- ⦿ Pre anesthetic medication given.
- ⦿ 2 units of blood reserved.

- ⊙ Intra-operatively one transfusion started.
- ⊙ LSCS was done and delivered an alive male baby of 2.7 kg wt .
- ⊙ **APGAR** score was 8 and 10.
- ⊙ Atonic pph was present.uterine massage and bimanual compression was given.
- ⊙ Inj. prostadin and inj. Methergine were given.
- ⊙ Placenta was normal.
- ⊙ Packed cell transfusion started intra operatively was on run.

- ⦿ Post operatively her general condition was fair.
- ⦿ Vitals were stable.
- ⦿ P/A uterus well retracted .
- ⦿ P/V no active bleeding.

- Patient vitals were monitored postoperatively every $\frac{1}{2}$ hrly for next 4 hrs and then every 2hrly later.
- One packed cell transfusion was given postoperatively.
- Pretransfusion and post transfusion vitals were recorded.
- Her vitals were stable.
- Hb was repeated .Hb \rightarrow 10.1gm/dl.
- PCV \rightarrow 32.1%

- ⦿ Patient was shifted to post natal ward on 3rd postoperative day.
- ⦿ Complete blood picture was done .
- ⦿ Hb 9.4 gm/dl.
- ⦿ Peripheral smear normocytic / hypochromic.
- ⦿ Serum electrolytes are within the normal limits.
- ⦿ Suture removal done on 8th day.

THANK YOU

