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# Johnson Center for Pregnancy and Newborn Services: Case Studies and Best Practices

Speaker Line Up Coordinated By  
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Maternal-Neonatal Clinical Nurse Specialist

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# Disclosures



- We do not have any financial professional or personal conflicts of interest to disclose today.
- This presentation does not include the discussion of any investigational or off label use(s) of a commercial product or device.



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# Objectives



- Describe a comprehensive range of services and teams tailored precisely to your patient's needs
- Describe RN practice in a manner that fulfills their obligations to society and to those who receive nursing care
- Describe services that meet the emotional needs of our patients
- Identify extraordinary patient care practices a nurse can provide to meet patient and family needs
- Identify Infection Control Practices in relation to a mother and baby dyad
- Discuss ethical principals, issues and dilemmas and decision making
- Describe impact of Tongan Culture on health and psychosocial needs



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# Case Study Panel Participants

- Yasser El Sayed MD
- Susan Crowe MD, FACOG
- Andrea Puck MN, CNS, RN
- Annette Haynes RN, MS, CCNS, CCRN
- Julie Allen BSN, RN
- Priya Pandya-Orozco MSN, RN, CIC
- Jane Zimmerman LCSW
- Linda Ikuta MN, CCNS, RN, PHN
- Lou Filoteo BSN, RN
- Beth Faulkner DNP, MN, CCNS, RNC



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# Nursing Practice at Stanford Children's Health



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# Empathy: The Human Connection to Patient Care



- [https://www.youtube.com/watch?v=cDDWvj\\_q-o8](https://www.youtube.com/watch?v=cDDWvj_q-o8)



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# Nursing Grand Rounds Mother Baby Dyad Case Study

# Mother-Baby Dyad Overview



- Units Touched
  - Antepartum (Previa)
  - Labor and Delivery
    - Discharged to Stanford ICU
  - Stanford ICU
    - Discharged to Maternity
  - Maternity
    - Discharged Home
  - PICN (Packard Intermediate Care Nursery)
    - Infant PICN-Maternity-Home-Maternity
  - Stanford ED (Readmit from Home)
  - Maternity





# Problem List: Mother

- 37 year old G5P3205
- Placenta Previa with emergent cesarean hysterectomy
- 35 + 1 weeks GA
- Complicated by PPH (EBL 6L)
- Massive Transfusion
- Postop course complicated by ICU stay
- L Ureteral Injury
- L Percutaneous Nephrostomy Tube (PCN) placement by IR
- Bilateral Pulmonary Embolus (PE)
- Gestational hypertension (HTN)
- Incisional Cellulites
- C-diff Infection
- Postpartum fever
- Drug induced nephrotoxicity
- Type 2 Diabetes Mellitus
- Patient readmitted from home with fever and L PCN no longer draining



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# Problem List: Baby Girl

- 35 + 1 Week LGA
- IDM
- C-Section
- Preterm labor
- History of hypoglycemia
- History of hypoxia
- History of coombs positive hyperbilirubinemia
- Feeding issues
- Separation from mother

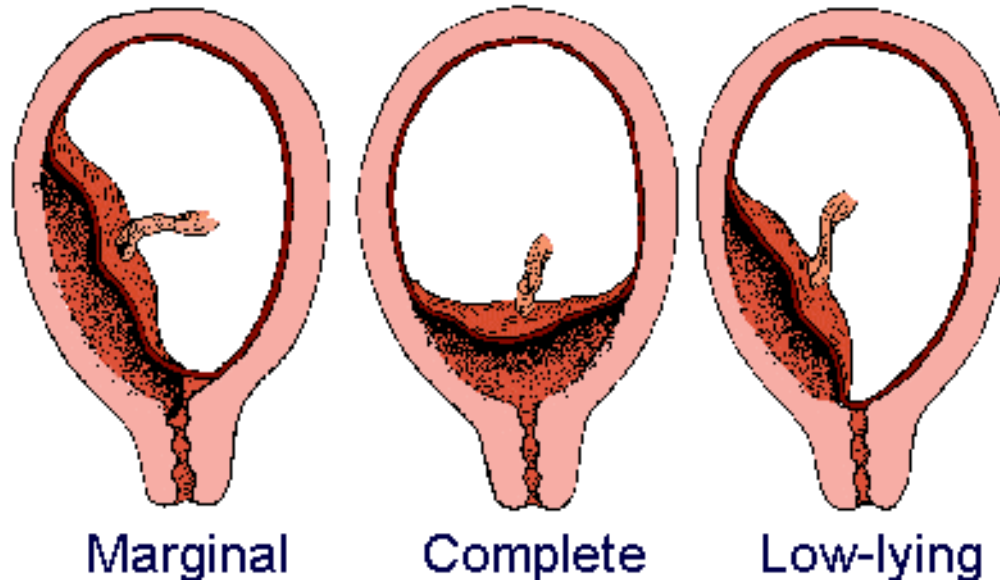


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# Previa



- Placenta Previa
- History of two prior C-Sections
- Uterine blood flow 800mL/min
- Treatment of uterine atony
- More than 20 units of PRBC's and other products



# Labor and Delivery: Safety

Prep for surgery

- 0-60
- Prep for hemorrhage
- Prep for baby

Hemorrhage response

- Bakri
- MTG, labs
- Hysterectomy



# Stanford Hospital Collaboration



- ICU/Cardiac Care Unit
  - CNS collaboration
  - Education
  - Engagement of management teams to support staff crossing systems
  - Communication tree; patient care plan
  - Implementation
  - Current issues
  - Expanding the resources from other services
  - Ongoing education
- APN Plan Improves Outcome for Pregnant Patient With Congenital Heart Disease. Haynes, Frederick, and Chirkoff. AACN Advanced Critical Care: [April/June 2012 - Volume 23 - Issue 2 - p 142-154](#) doi: 10.1097/NCI.0b013e318245381a



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# Maternity



- Antepartum care
- C-Diff Diagnosis
- I haven't met my baby yet...
- RN would go visit the baby for her and report
- Infant was 17 days old when she first got to touch and hold
- Mom visiting PICN
- Became lonely in her room
- It was a really important to her to have her husband/ children visit



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# Maternity



- Patient having a lot of pain in hallway (AP)
  - Prompted bedside RN to evaluate
  - C-sect later that day
- Postpartum
  - Can her children visit?
  - Collaboration with healthcare team
  - Broke down steps for visit (mom to PICN or baby to room) in detail in patients EMR
  - Day 20 the mother reunited with her children
    - able to meet their baby sister
    - mother watching her children preparing her children to come into her room





# Infection Prevention and Control (IPC)

- CNS consulted with IPC to facilitate visitation
  - Mother visiting baby in PICN
  - Baby visiting mother in room
    - Facilitating emotional well being
  - Couplet care
    - Mother still in contact plus isolation
    - At times baby needed to return to PICN if mother was tired
- Education for staff and family on importance of adhering to PPE compliance
- No patient or staff acquired C-diff during the course the mother/baby dyad hospital stay





# Neonatal Issues



## Infant of Diabetic Mother:

- Large for gestational age
- Hypoxia
- Physical Immaturity

## Late Preterm Infant:

- Hypothermia
- Sepsis risk
- Feeding issues
- Bilirubin Risk
- Hypoglycemic

## Family Separation:

- Bonding
- Breast Feeding
- Potential exposures
- Discharge teaching



# Nurses Exceeding Expectations



- IV extremely difficult to start; RNTs were able to start IV. This action saved baby having a Umbilical Venous Central line insertion.
- Nurses taking baby to WBN side to show the baby to Mom through the window.
- Calling ICU Nurses; giving information about baby
- Sending pictures of baby to Mom
- ICU Nurses helping Mom with pumping for breast milk
- PICN/WBN/F1/F2 taking baby to Mom and then bring back in separate crib when she was on infection precautions



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# Impact of Tongan Culture on Health and Psychosocial Needs

- Cultural risk factors
  - Non-medical births
  - Expectations for women
- Staff compensation for cultural issues
  - Nursing interventions
  - Administrative decisions for infant stay
- Psychosocial support
  - ICU psychosis
  - Family needs
  - Need for help versus cultural autonomy



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# Panel Questions ?



# Lead India The Tree



- [https://www.youtube.com/watch?v=2\\_uZ8AZfPTU&feature=youtu.be](https://www.youtube.com/watch?v=2_uZ8AZfPTU&feature=youtu.be)



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