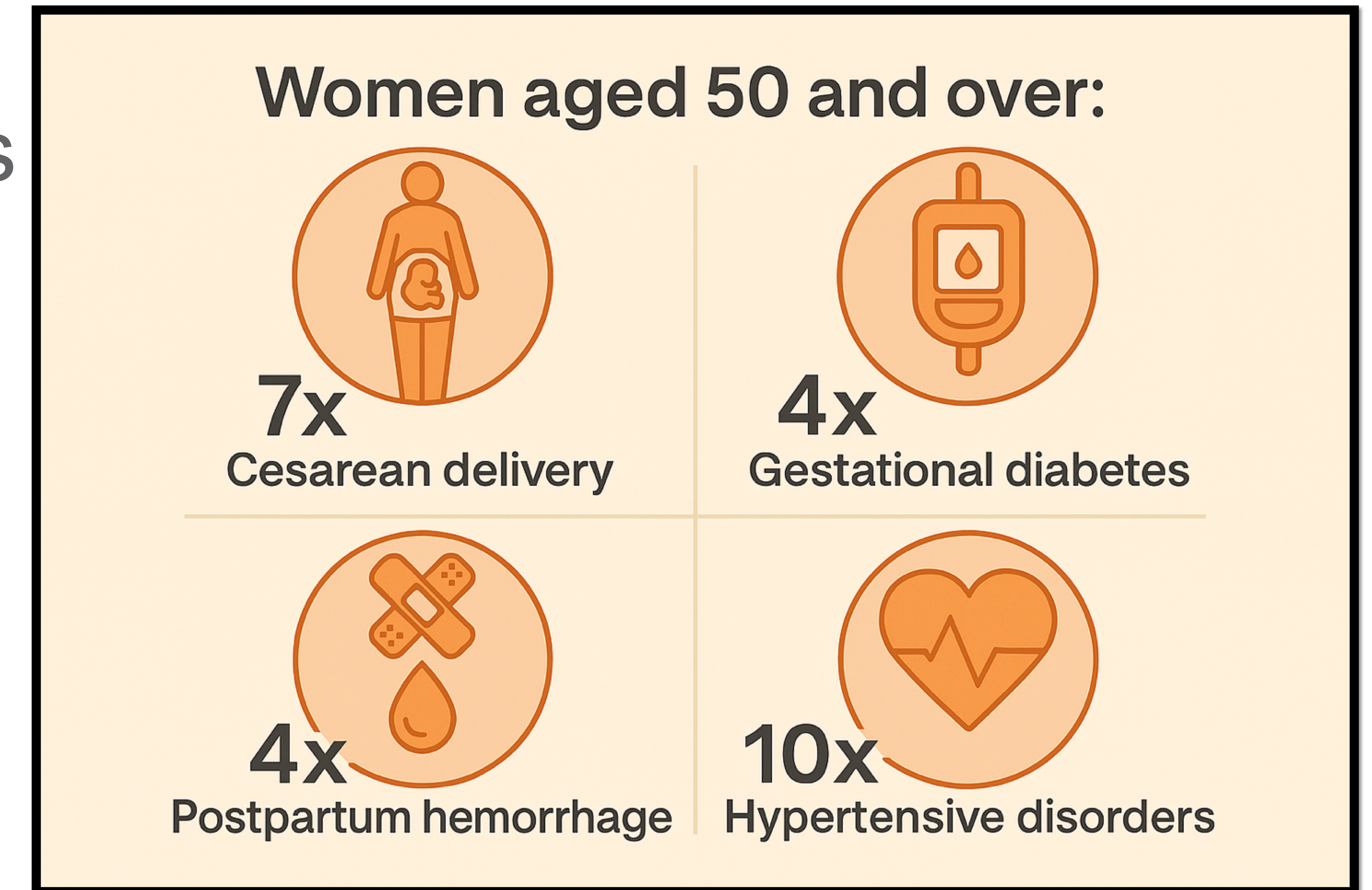


Beyond the Expected: Anesthetic Management of an Elderly Parturient with Triplet Gestation

University of Texas Southwestern Medical Center, Department of Anesthesiology and Pain Management
Kelechi Brenda Anyaehie MD MPH, Susan Stanley MD

- Assisted reproductive technology has revolutionized conception possibilities for patients of advanced maternal age (AMA)
 - IVF, Oocyte donation
- AMA $\geq$ 35 years old
- Maternal morbidity and mortality increases with age ^[1-2]
- Limited anesthetic literature exists for pregnant patients >60 years old



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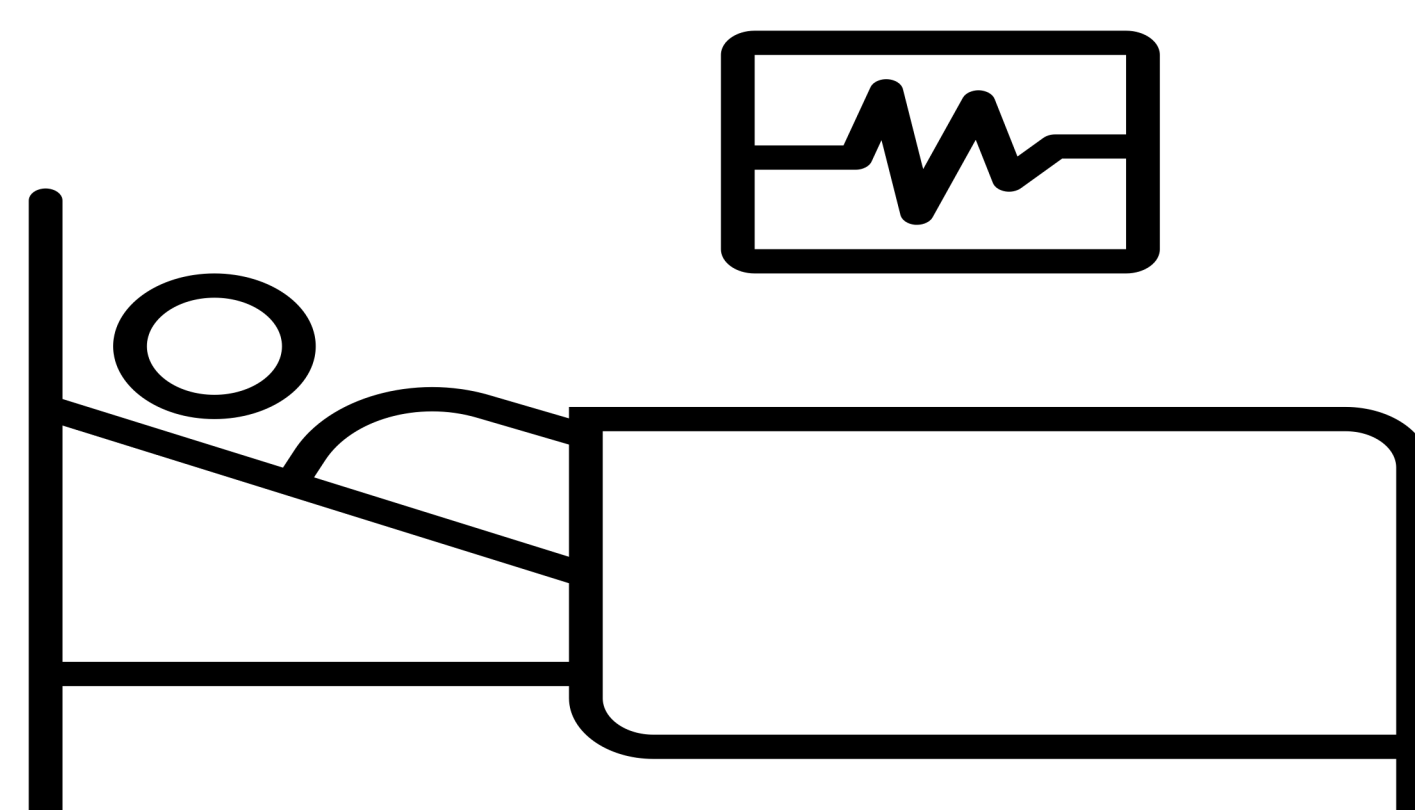
62-year-old G4P0A3

- IVF dichorionic/triamniotic triplet gestation
- Complete placenta previa
- Cervical cerclage
- Fetal anomalies (triplets B and C with neural tube defects)
- H/o open myomectomy, anemia, glaucoma, class II obesity, postmenopausal



30w2d

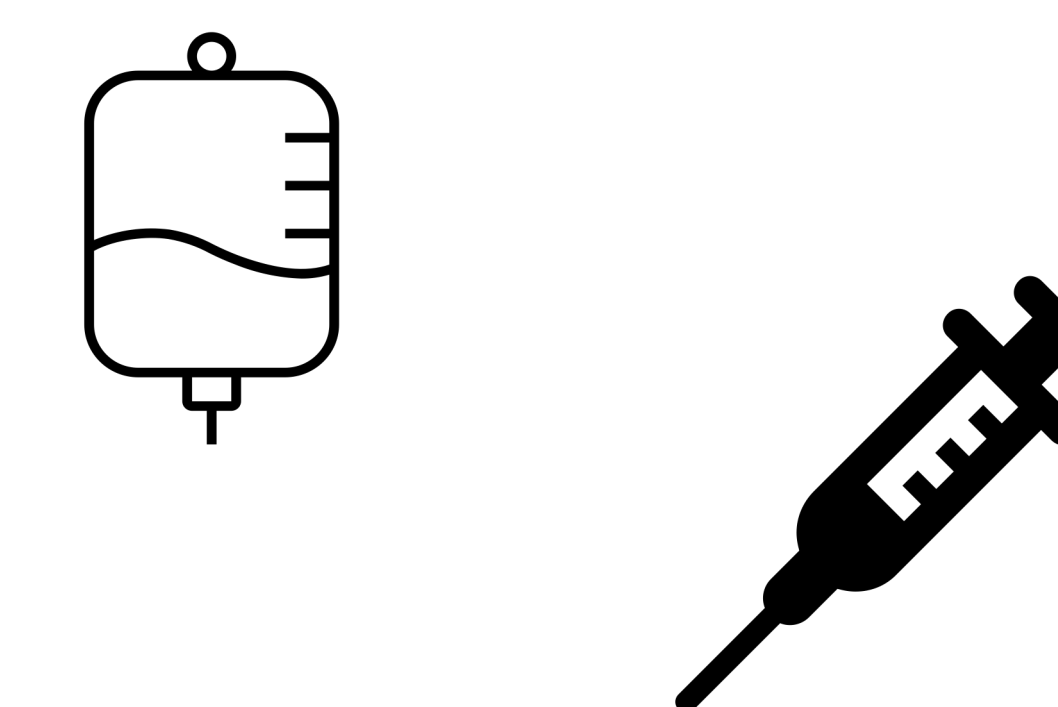
- Elevated blood pressures (140s/80s)
- Antepartum admission x2 weeks
- New-onset severe lower extremity and abdominal wall edema/venous stasis



32w2d - Primary classical cesarean delivery

INTRAOP

- 2 large bore PIVs, 2u blood on hold
- Low-dose combined spinal-epidural (CSE)
 - 2 attempts, calcified spinal ligaments
- Prophylactic phenylephrine infusion + boluses
 - symptomatic spinal-induced hypotension
- EBL: 2 L
 - classical hysterotomy, significant lysis of adhesions, triplet gestation
- All three neonates delivered -> NICU
- Epidural catheter maintained for postop analgesia



POSTOP

- POD 5: Delayed-onset severe preeclampsia
- POD 7: discharged home



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Pregnancies in women >60 years (extreme advanced maternal age)



Anesthetic Considerations

- Advanced maternal age associated with risk factors for adverse outcomes
- Age related anatomy, physiology and pharmacology
- Neuraxial anesthesia remains preferred despite technical challenges
- Hemodynamic management
- Multidisciplinary planning is essential for high-risk cases
- Delayed complications require vigilance



What We Don't Know

- Individualized risks for AMA age categories
- Aging cardiovascular system and pregnancy/ pre-eclampsia
- Optimal anesthetic techniques for extreme AMA pregnancies

