

Perinatal Ultrasound Case Presentation

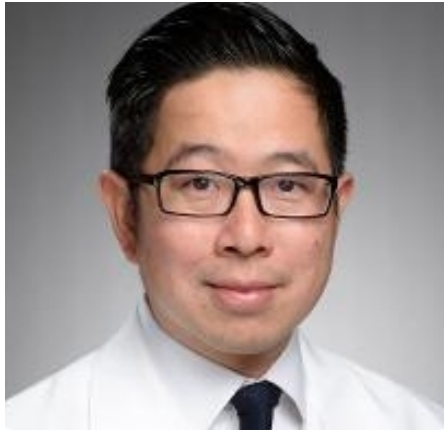
# Be close to your sibling

Alex Fong, M.D.

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MEDNAX National Medical Group

Ultrasound images courtesy of:  
Alex Fong, MD, Magella Medical Group  
Long Beach, CA (USA)



## Alex Fong, M.D.

### **Resume:**

Alex Fong, MD is an MFM practitioner with the Kaiser Medical Group of Orange County, California. He obtained his MD at the Feinberg School of Medicine at Northwestern University, completed residency at Cedars-Sinai Medical Center, and underwent Maternal-Fetal Medicine fellowship at University of California, Irvine.

His clinical research includes labor management, gestational diabetes, and pregnancy outcome database research. He enjoys mentoring fellows and residents. He lives in Irvine, CA with his wonderful wife and two beautiful daughters

# Learning Objectives



Following the completion of this educational activity, the learner should be able to:

- Discuss timing of zygote division leading to conjoined twinning
- Identify ultrasound findings diagnostic for conjoined twins
- Provide counseling to patients regarding complications, management options, and delivery options of conjoined twins

# Part 1



A 32-year-old gravida 3 para 1011 (1-term, 0-preterm, 1-abortion, 1-living) was referred to the perinatal high-risk center at 19 weeks' gestation due to twin pregnancy, with concern of anomalies on twin B, including “abnormal brain, heart and chest.” She had a past obstetrical history significant for a cesarean delivery at term and a first trimester miscarriage, but otherwise had a non-contributory medical surgical history. This pregnancy was a spontaneous conception.

On ultrasound, the following images were obtained. There were noted to be two placentas and a thick dividing membrane. One of the twins was well grown with normal anatomy. The other “twin” was found to have the anomalies as noted above.

# Image 1 – Conjoined thorax of cephalothoracopagus triplet B/C on left, normal triplet A on the right

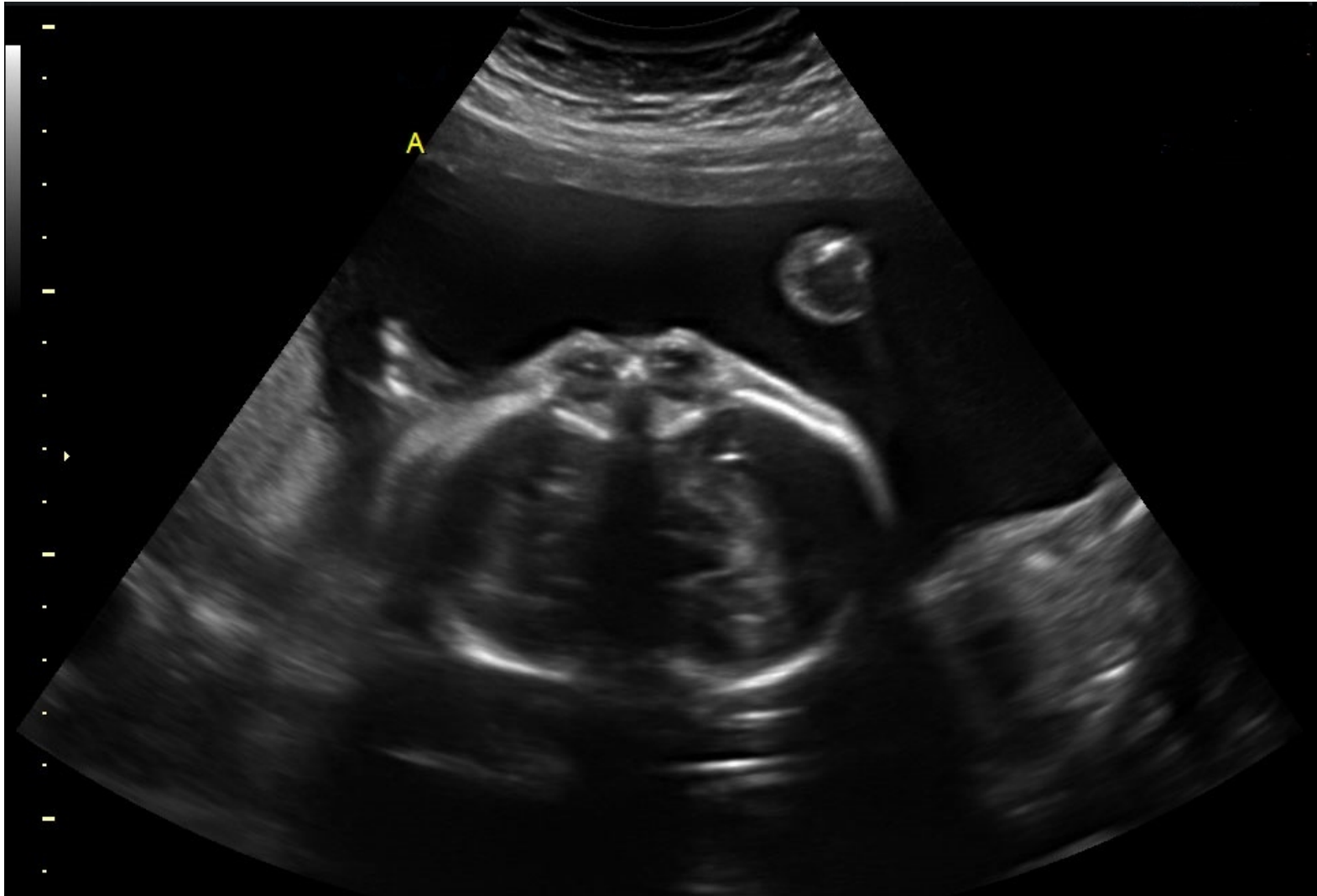


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# Image 2 – Fused head



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Image 3 – A 3-dimensional rendition of fused facial structures of conjoined triplets B/C. Triplet A is seen adjacent on left side of screen.



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# Image 4 – A 3-dimensional rendition of fused facial structures of conjoined triplets B/C.



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# Image 5 – A 3-dimensional rendition of fused faces



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# Take a moment to reflect on the case and images presented.



1. When faced with this case, consider what your next steps might be. What might your diagnosis be?
1. To read about diagnosis/management/review of literature proceed to Part II by clicking on the “View PDF” link for Part II.
1. Following review of Part II, you will have an opportunity to access a list of references.
1. To earn credit, pass the post-test (70% correct) and complete the evaluation.