Finding a fETus with UltraSound (FETUS)

Public Engagement Activities

Shu Wang, Ou Zhanchong, and **Miguel Xochicale** Event name **#2021**

6th July 2021

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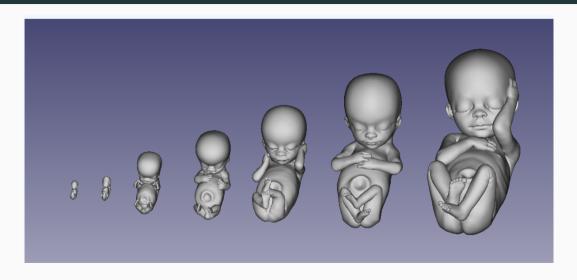
Who are we?

Who are we? / Where we come from? / Do we have hobbies?

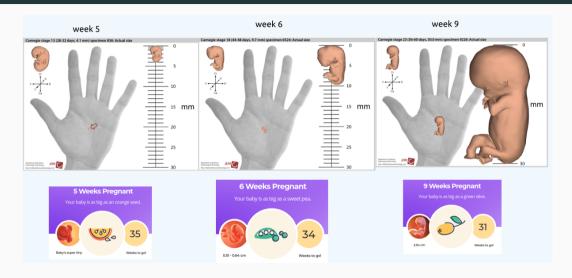


Guessing Fetal Growth

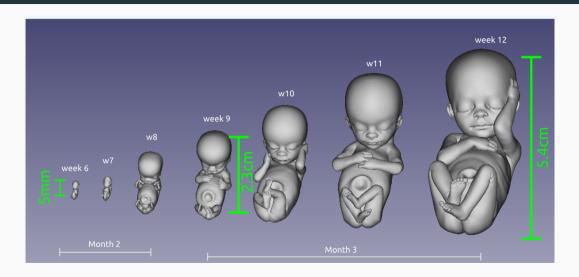
Can you guess the *AGE* of these fetus?



Can you guess the *SIZE* of these fetus?

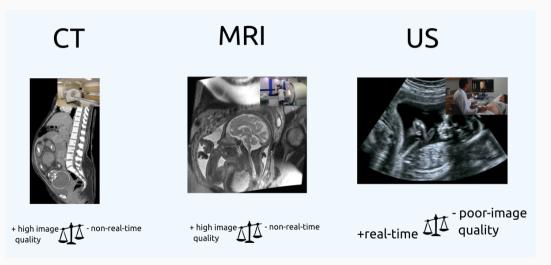


Fetal Growth



Looking inside the human body

Medical Imaging in Pregnancy



Modelling US imaging

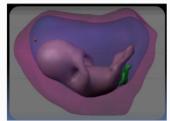
Segmentation on 3D US data

Tissue Labelling

Surface Reconstruction







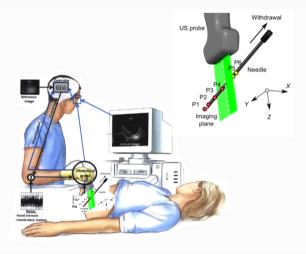
3D printing Fetus



(Add references) 8

Simulating Ultrasound-Guidance Interventions

The sonographer-probe-patient control system



Challenges:

- Tracking needles
- Skillfullness of sonographers
- Anatomical view changes

Simulator for Ultrasound-Guidance Interventions



(add references)

Takeaway messages / Surprises / Evaluation

Takeaway messages / Surprises / Evaluation

Takeaways

- Fetal development
- Ultrasound imaging
- 3D printing
- US needle tracking

Souvenirs



Evaluation





Acknowledgements





Miauel Xochicale



Shu Zhanchong Wang



Ou









Surname









Anna David



Vercauteren



Wenfena

Xia

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