

FETAL PROJECT

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We aim to establish a FETAL ENHANCED TRIDIMENSIONAL AND TRANSLATIONAL ANATOMICAL LANDSCAPE

Using high-resolution imaging such as :

- Micro-CT (R. Lebrun, ISEM, Montpellier RIO Imaging)
- Micro-MRI (C. Goze-Bach, M. Cardoso, BioNanoMRI)



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Microtomograph Skyscan* 1076 from Bruckner*

MRI Agilent*
Varian 9,4T



BioNanoMRI



French ethics authorization since April 2015.

Inclusions : from abortion and early miscarriage, between 3 and 12 WG, after informed consent.

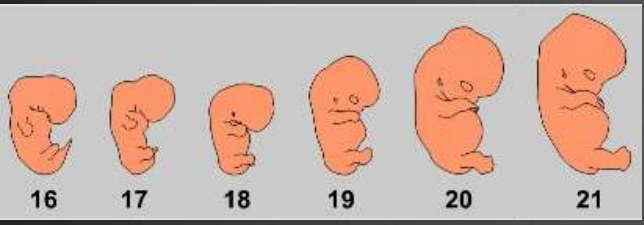
Since January 2016

18 cases excluded (7 incomplete miscarriage, 7 fragmented samples, 4 without embryonic development)

25 consents

7 samples (28%) included :

- 3 Micro-CT
- 1 Micro-MRI
- 3 both Micro-CT and Micro-MRI

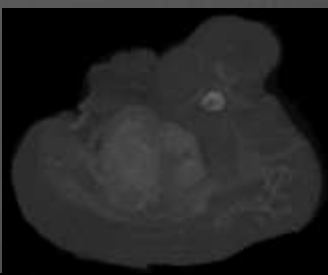
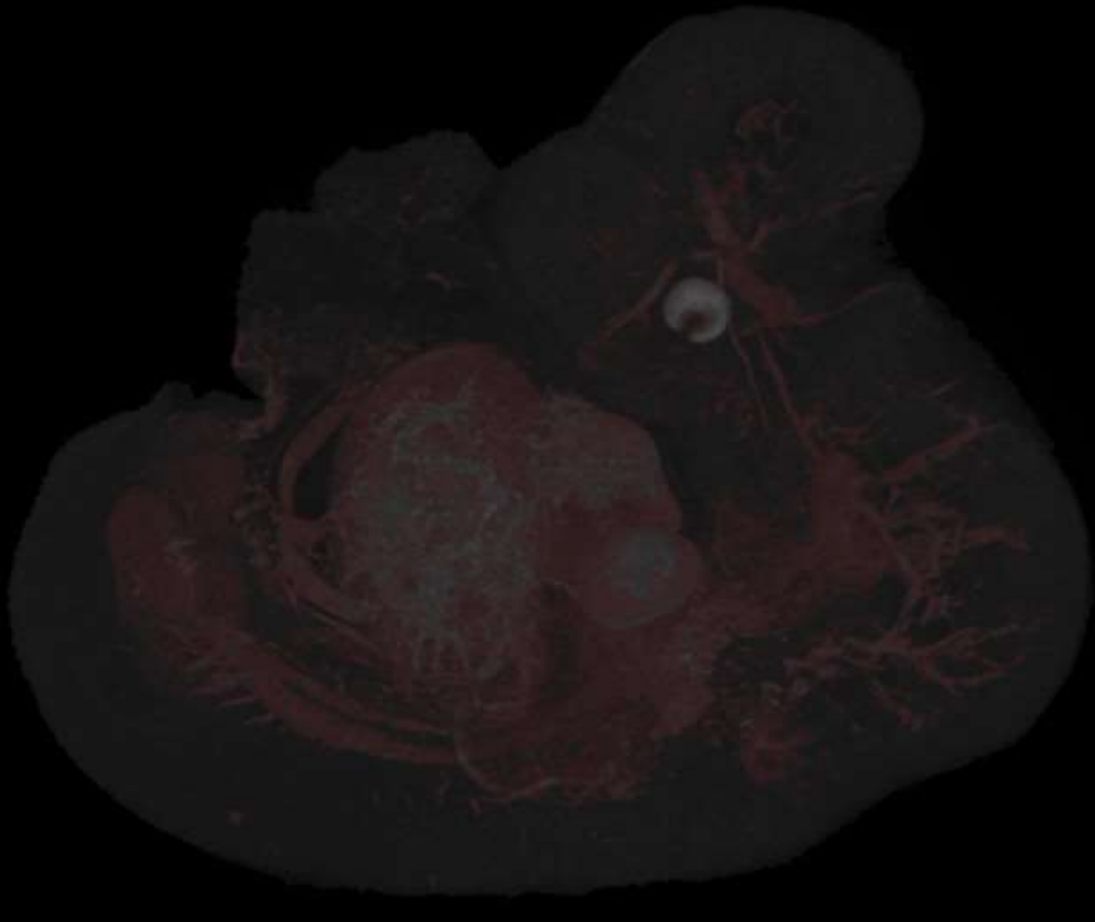
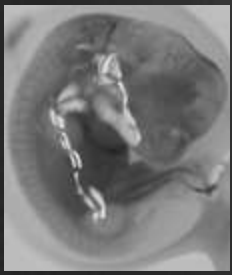


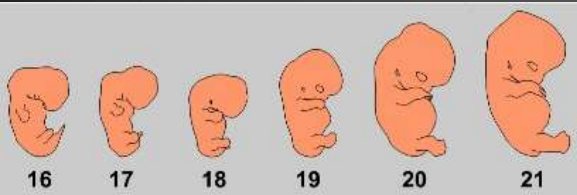
Carnegie 16
(5 WG,
CRL= 8mm)

Carnegie 17 (5+1 WG, CRL= 12mm)

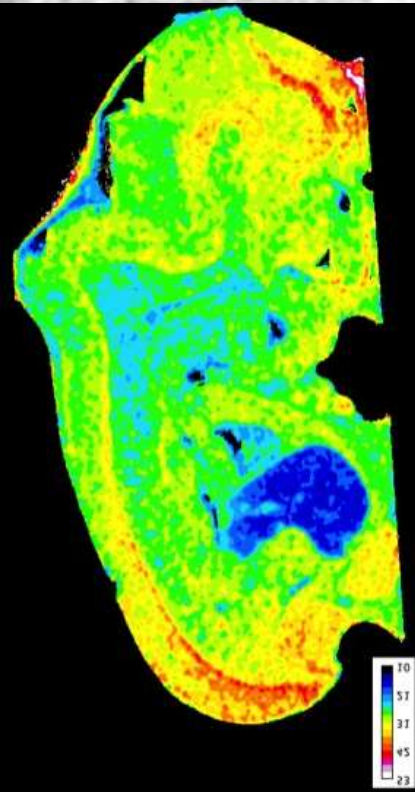
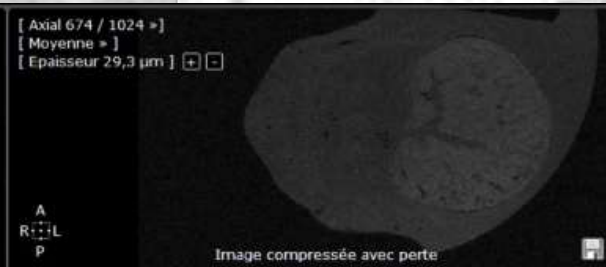
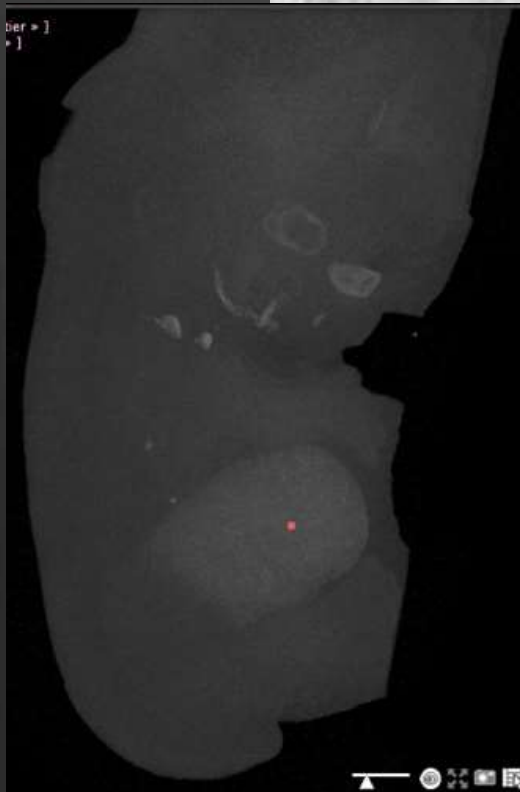
Carnegie 19
(6+4 WG,
CRL= 17mm)

Carnegie 21
(7+2 WG,
CRL= 22mm)

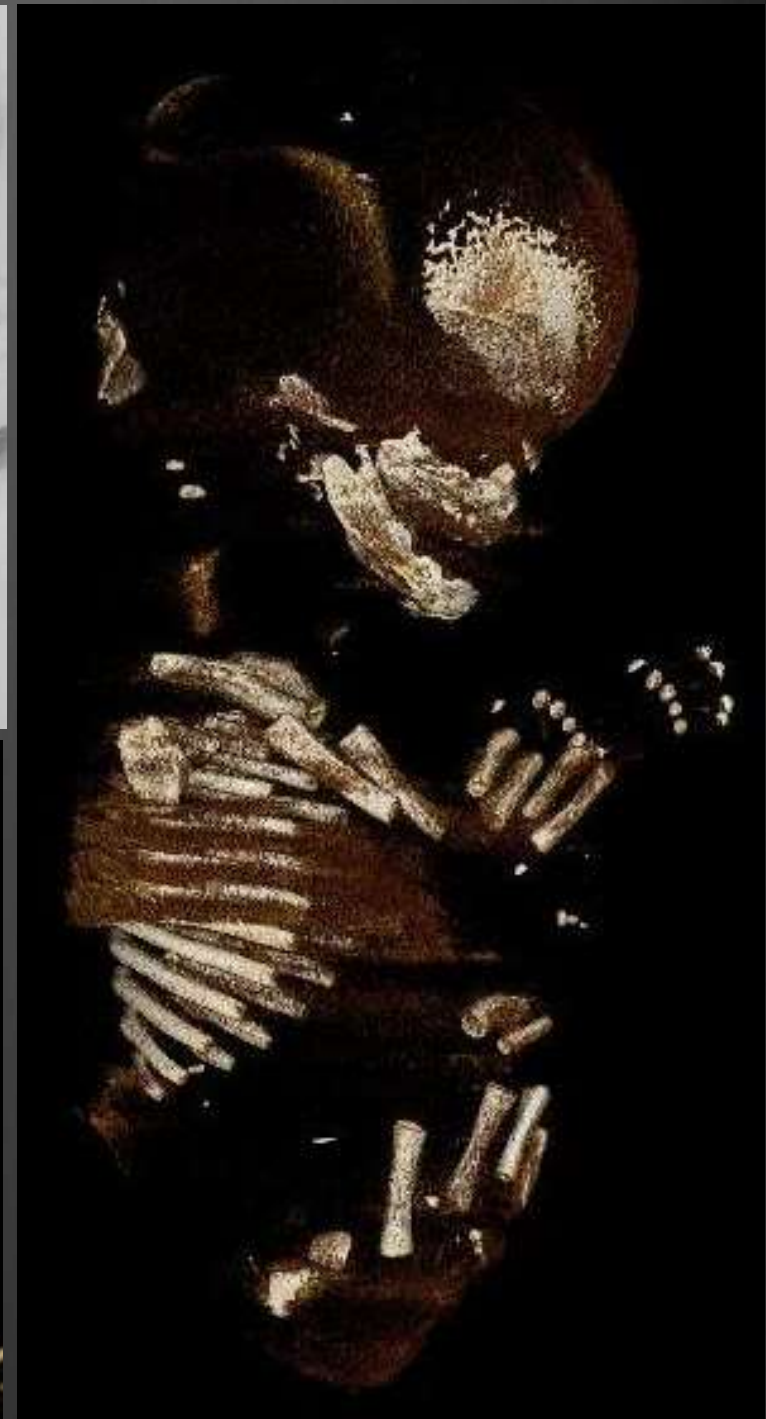
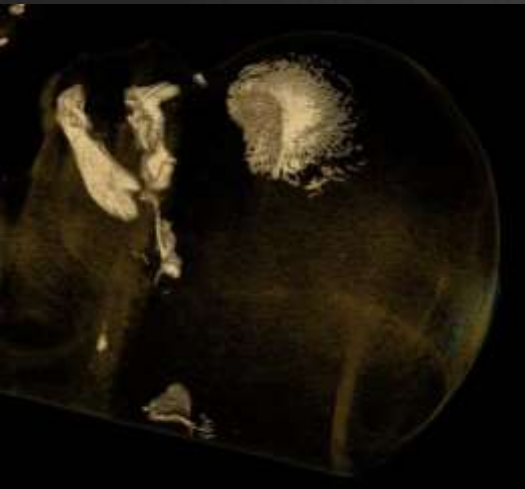
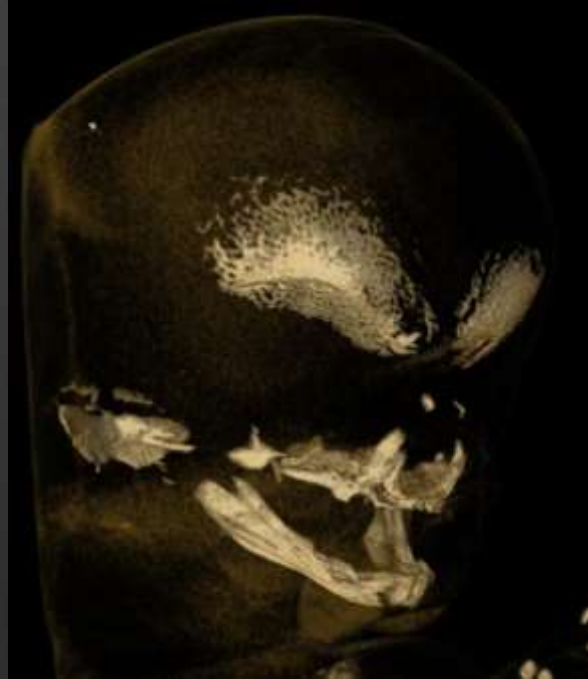




Carnegie 21
(7+2 WG, CRL = 22mm)



9+5 WG, CRL = 50mm



Thank you for your attention !



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