



Dr. Arthur Adkins  
12 Lensfield Road  
Cambridge CB2 1EH

Exam Date: 12.11.2007

Dear Dr. Adkins,

I have rescanned your patient **Julia Test**, DOB 10.10.1972, Fallowfield, Manchester.

**Indication: Routine anomaly scan.**

**History:**

Maternal age: 35 years. Pre-pregnancy weight 58,0 kg. Blood group: B, (Rh D) Rh -ve. Menstrual cycle regular - LMP unsure. Conception spontaneous on 02.09.2007. Pregnancy test: Positive. Non-smoker.

**Obstetric History: Gravida: 2. Para: 1.** Living children  $\geq 37W$ : 1.

Last period: 15.08.2007.

**EDD by ultrasound: 21.05.2008** (EDD by dates: 25.05.2008).

**Gestational age: 12 weeks + 1 day.**

**First Trimester Ultrasound:**

Transabdominal and transvaginal US. Ultrasound view: Restricted by overlying bowel gas.

Fetal heart action present. Frequency	162	bpm.		
Crown-rump length (CRL)	58,0	mm	57th%	
Biparietal diameter (BPD)	20,1	mm	42nd%	
Occipito-frontal diameter (OFD)	23,3	mm	n/a	
Head circumference (HC)	68,2	mm	31st%	
Femur length (FL)	8,2	mm	40th%	
Nuchal translucency (NT)	1,40	mm		
Nasal bone present.				

**Fetal anatomy: Skull/brain** appears normal, **heart** appears normal, **spine** appears normal, **abdomen** appears normal, **stomach** visible, **bladder** visible, **hands** both visible, **feet** both visible.

**Additional markers for risk assessment:** Normal tricuspid flow. Ductus Venosus (a-wave): Positive.

Placenta: Anterior high, structure normal. Amniotic fluid: Normal. Cord: 3 vessels.

**Maternal serum biochemistry:**

Sample taken on 12.11.2007.

No. of fetuses: 1. Maternal weight: 62,0 kg. Non-smoker. Ethnic origin: White. Parity > 0. Manufacturer: Kryptor.

Free beta hCG: 33,000 IU/l, equivalent to 0,9125 MoM.

PAPP-A: 2,700 IU/l, equivalent to 0,6757 MoM.

## Estimated Risk for Trisomy 21 at 11-14 Weeks Gestation:

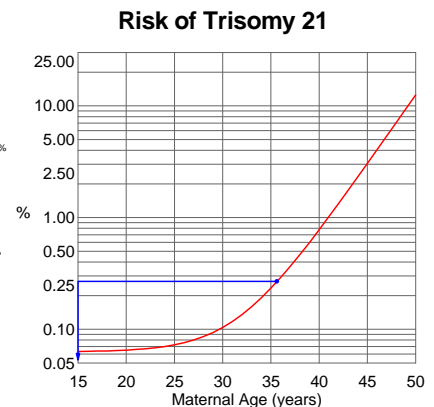
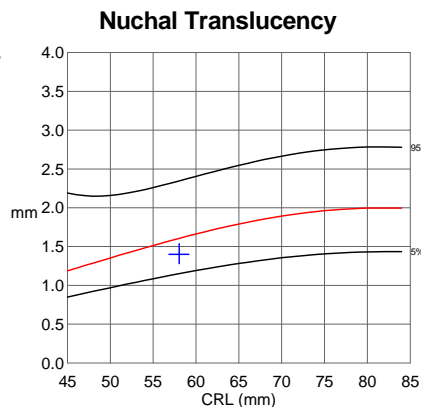
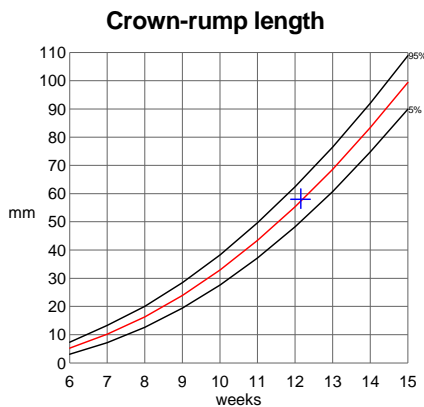
### trisomy 21    trisomy 18    trisomy 13

Background risk:	1 : 376	1 : 4435	1 : 10440
Ultrasound risk:	1 : 1879	1 : 13440	1 : 194070
Biochemistry risk:	1 : 803	1 : 31561	1 : 29138
Adjusted risk:	1 : 4981	1 : 88701	1 : 348011

The estimated risk is calculated by the FMF-2007 software and is based on findings from extensive research coordinated by the Fetal Medicine Foundation (UK Registered charity 1037116). The risk is only valid if the ultrasound scan was performed by a sonographer who has been accredited by the Fetal Medicine Foundation and has submitted results for regular audit (see www.fetalmedicine.com). The adjusted risk is the risk at term. The FMF risk calculation for this scan was performed by **Dr. Viewpoint NT**.

## Diagnosis:

Normal intrauterine pregnancy. No obvious fetal defect. We recommend a further ultrasound scan in week 20.



Dr. Smith