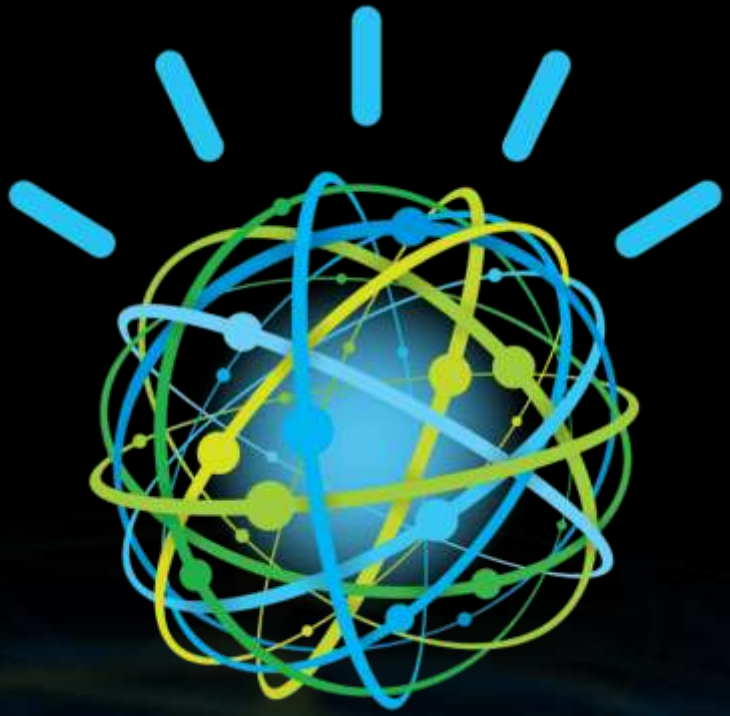

Digital Catapult

Harnessing Public Health Data to
Meet Medical Needs

Personalised Health Scenario

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09:41
12
Messages
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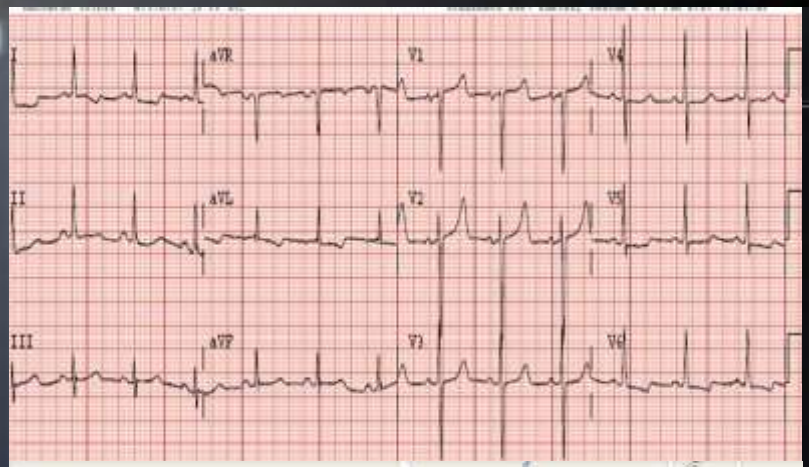
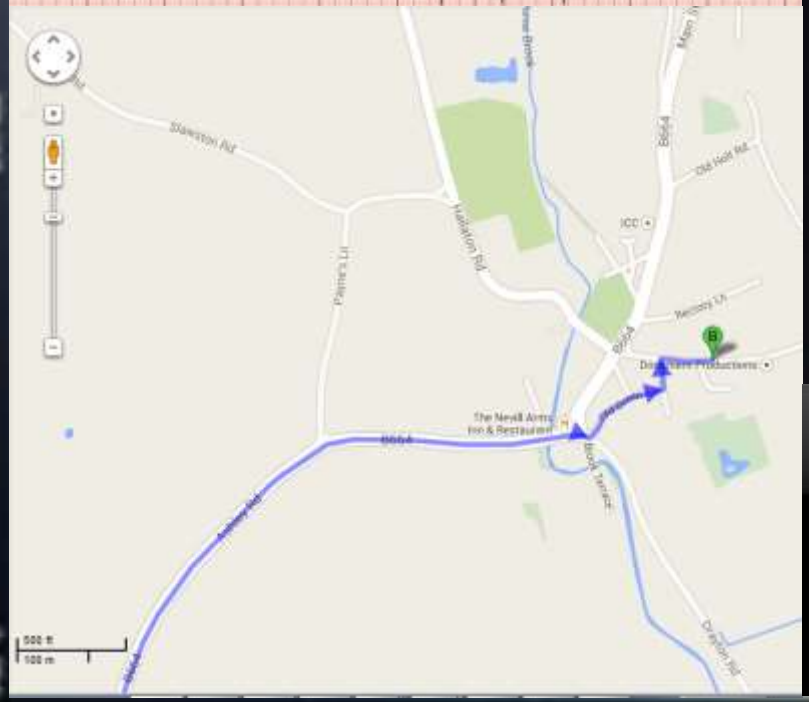




SYS
mmHg
120

DIA
mmHg
80

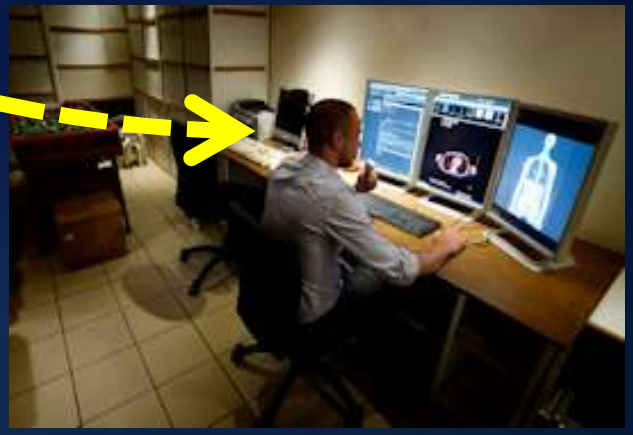
Pulse
/min
60

Digital Blood Pressure Monitor

M

START
STOP

Cee-Lo & Jack Black
Kung Fu Fighting
Kung Fu Fighting - Single



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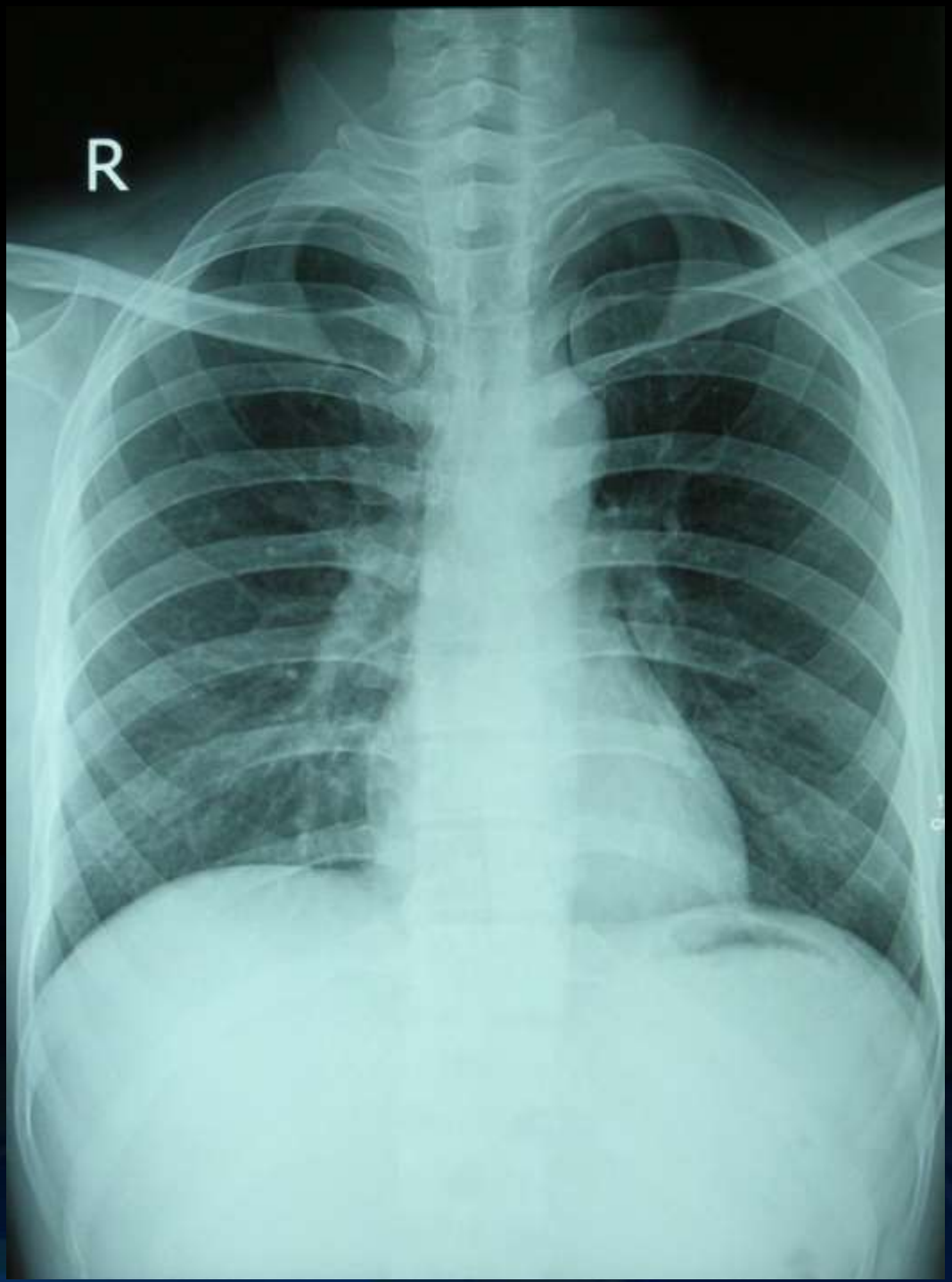

R

Summary
Timeline
Current Labs
Past Labs
Patient Risk
Current Treatment
Treatment History
Suggested Treatments

Current Diagnosis:
MDS Leukemia
Change

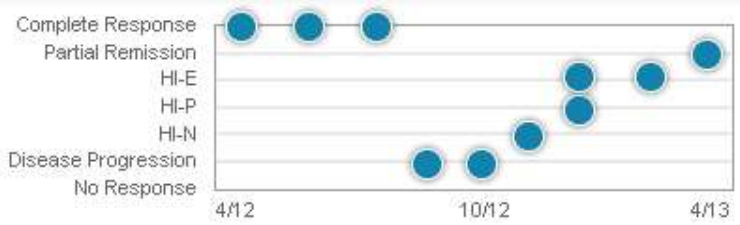
Current Treatment

Treatment:	**Ph I/II PKC412 + AZA**
Treatment ID:	2010-0374
Treatment Dates:	January 15, 2013 - Present
Dosage:	000mg
Frequency:	Every 10 Days
Treatment Status:	Course 2, Day 5
Latest Treatment Date:	March 11, 2013
Treatment Courses:	3
Min. Residual Disease:	-

Supportive Care

IVIG:	2/15/13, 2/28/13
WBC Growth Factor:	3/1/13
Platlet Growth Factor:	3/1/13, 3/30/13
Transfusion Dependent:	Yes
Current Transfusion Type:	RBC
Transfusion Dates:	2/15/13

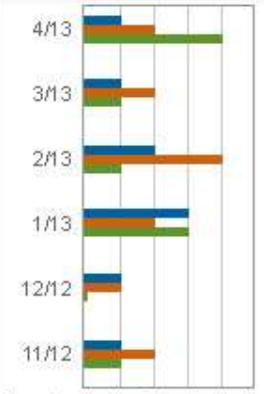
Response



Current Response:	Partial Response
Current Disease Status:	Non-remission
Historical Best Response:	4/18/2010 - 4/5/2012

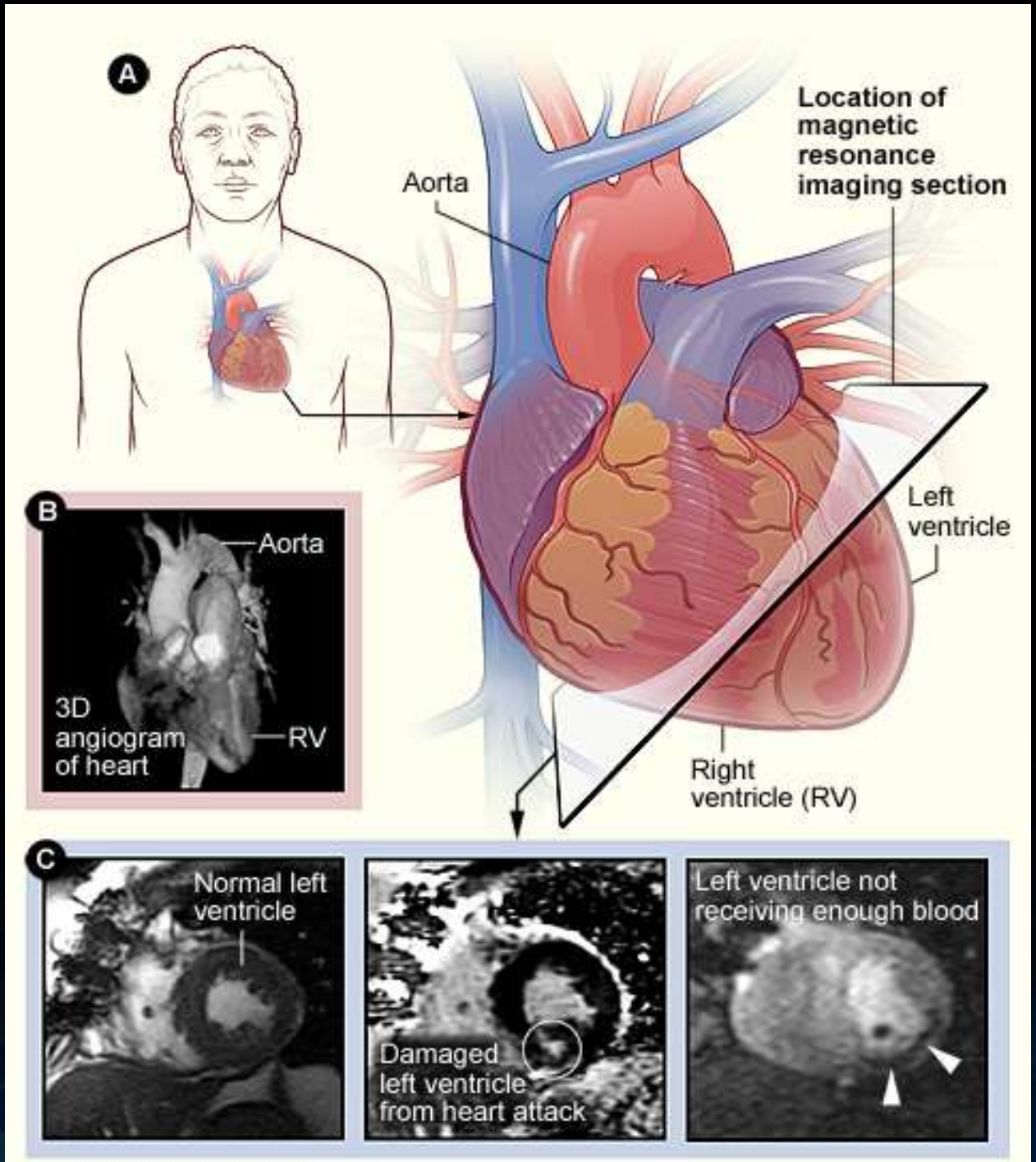
Adverse Events

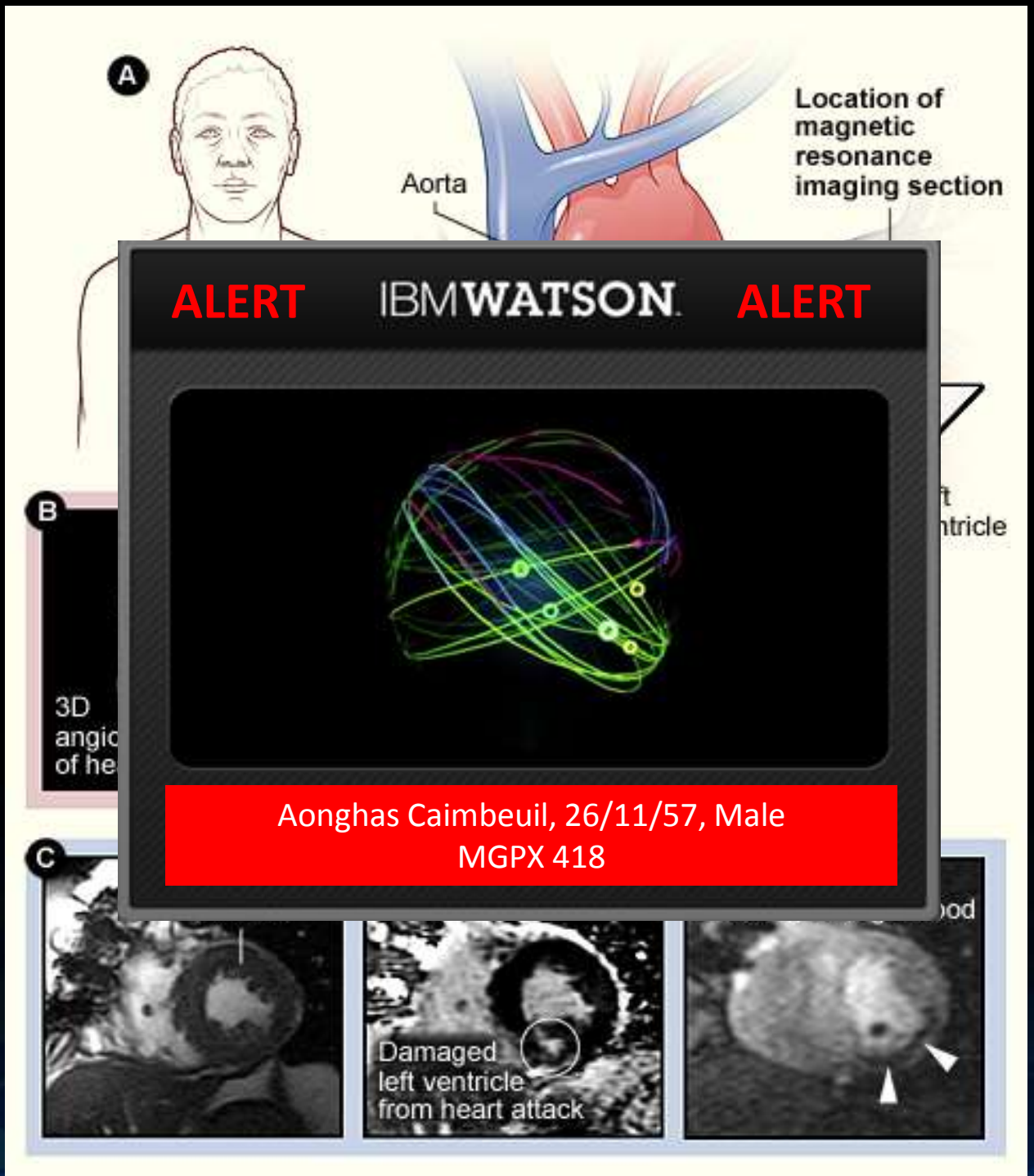
Choose AEs to Display



Change Settings

Events	Grade: Current	Max
Creatinine	1	3
Fatigue	2 Update	4
Vomiting	4 Update	4


A
Location of magnetic resonance imaging section
Aorta
Left ventricle
Right ventricle (RV)
B
Aorta
3D angiogram of heart
RV
C
Normal left ventricle
Damaged left ventricle from heart attack
Left ventricle not receiving enough blood


A
Aorta
Location of magnetic resonance imaging section
ALERT
IBM WATSON
ALERT
Aonghas Caimbeuil, 26/11/57, Male
MGPX 418
B
3D
C
Damaged left ventricle from heart attack

Symptoms
errratic pulse rate
high diastolic BP
dry mouth
thirst
frequent urination
dizziness
no pain
no dys
no cou
no dia

Family History
Oral ca
Arrhyth
Hemoch
Purpura
Graves'
(Thyroi

Patient History
obesity
alcoholism
hyperlipidemia
frequent UTI
hypothyroidism

Medications
Alendronate
pravastatin
levothyroxine
hydroxychloroquine

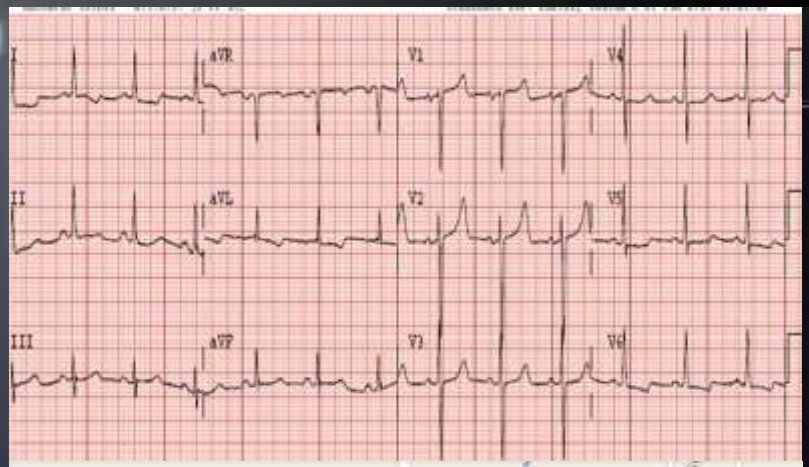
Findings
ECG trace
RAHB
supine 135/101 mm HG
heart rate: 120-151 bpm
blood gases normal

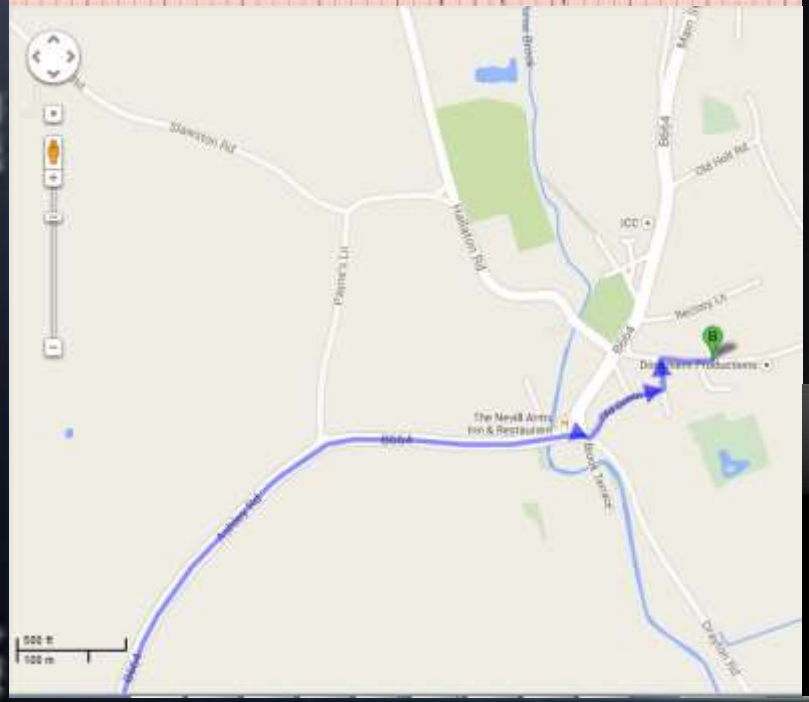
Findings
Medications
Pat. History
Fam. History
Symptoms

Diagnosis Models	Confidence
Renal Failure	
Arrhythmia	
Diabetes	
Infection	
Hypokalaemia	
Oesophagitis	

Most Confident Diagnosis: Diabetes

- Extract Medications
- Use database of drug side-effects
- Together, multiple diagnoses may best explain symptoms
- Extract Findings: Confirms cardiac arrhythmia due to high DBP compounded by RAHB





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Digital Blood Pressure Monitor

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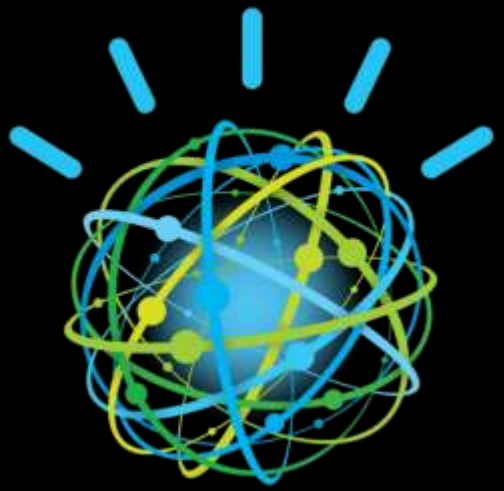
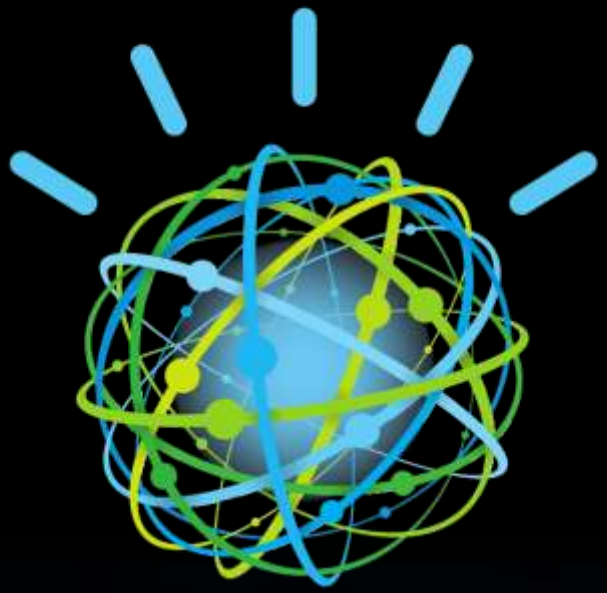
Cee-Lo & Jack Black
Kung Fu Fighting
Kung Fu Fighting - Single

ALERT
IBM WATSON
ALERT
Your doctor has recommended changes to your exercise regime – please review in your Personalised Health app and feel free to make an appointment on line for a video chat.
Digital Blood Pressure Monitor



- Devices detect increasing amounts of health data;
- Data is stored centrally and appropriately shared;
- Data is dynamically analysed and presented as information for proactive management.

- Lycra will still, however, continue to be the clothing of choice for Middle Aged Man crises!!