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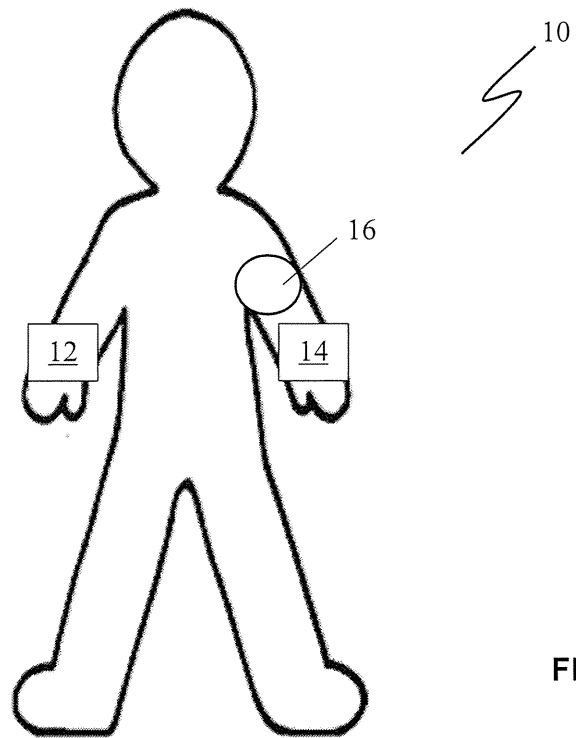


FIG. 1a

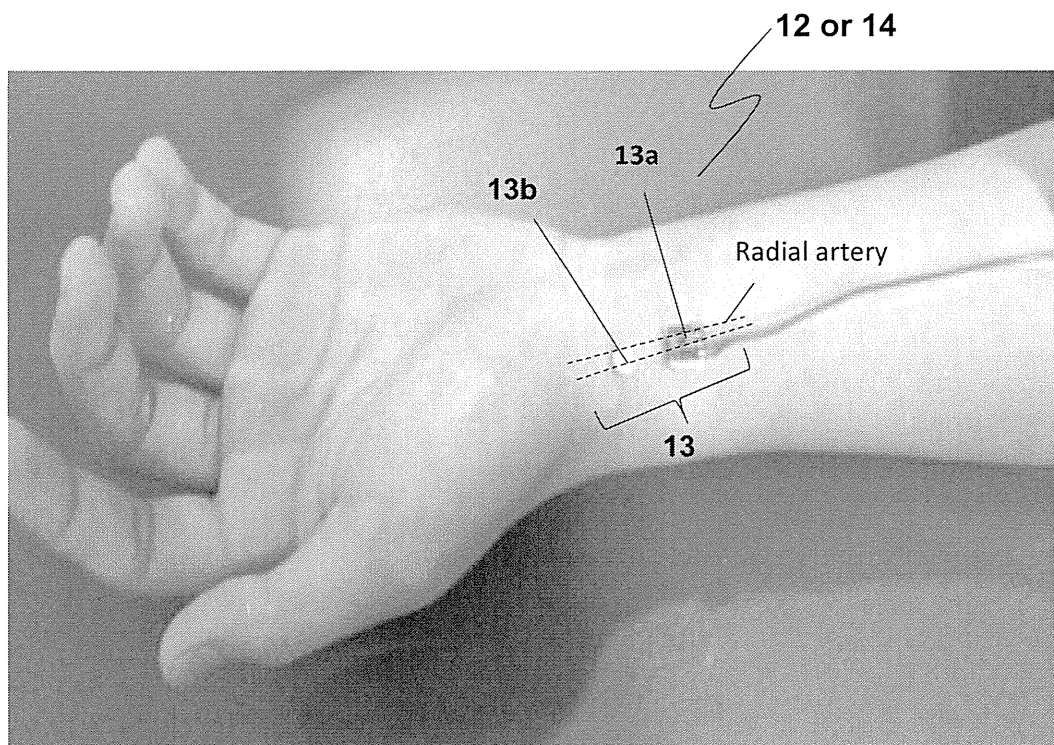


FIG. 1b

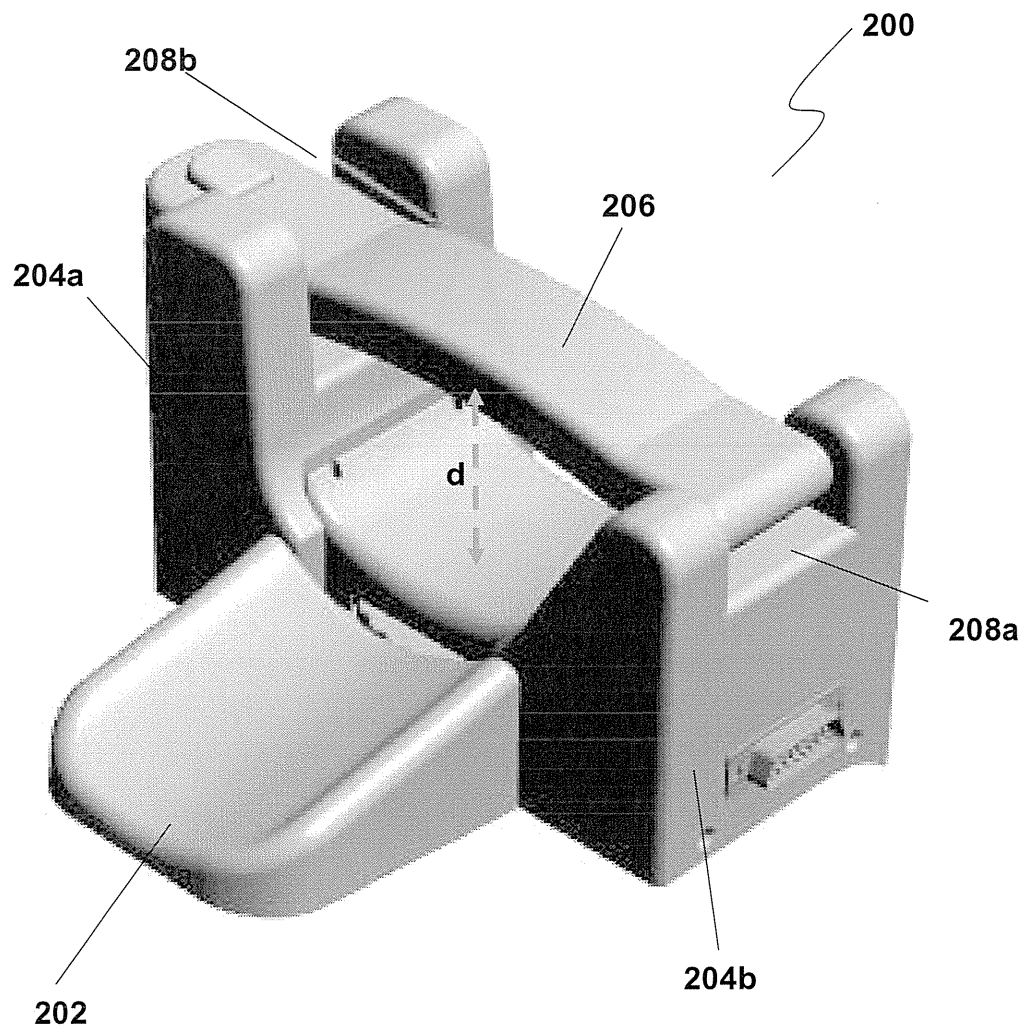


FIG. 2a

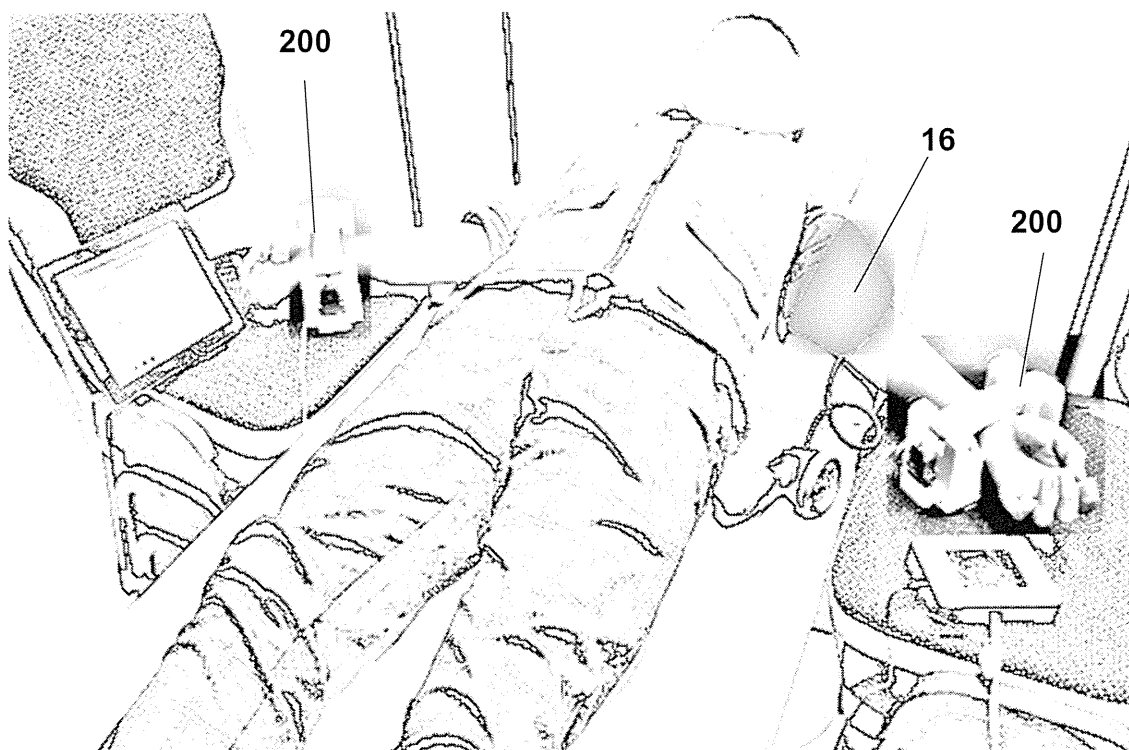


FIG. 2b

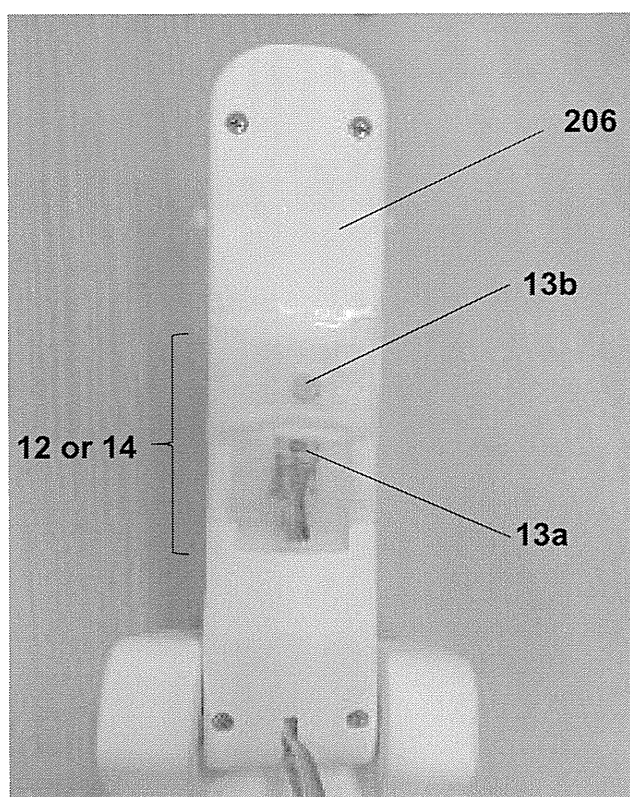


FIG. 2c

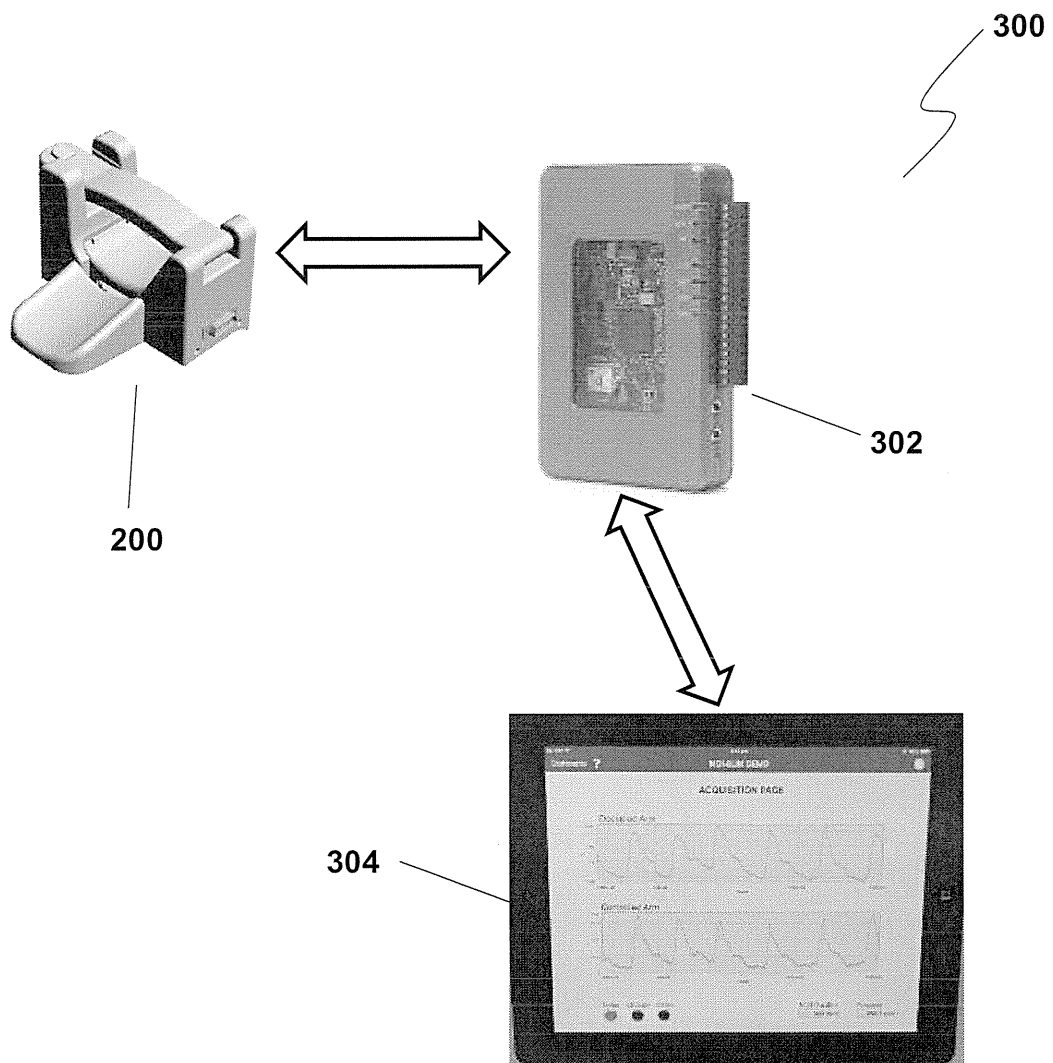


FIG. 3

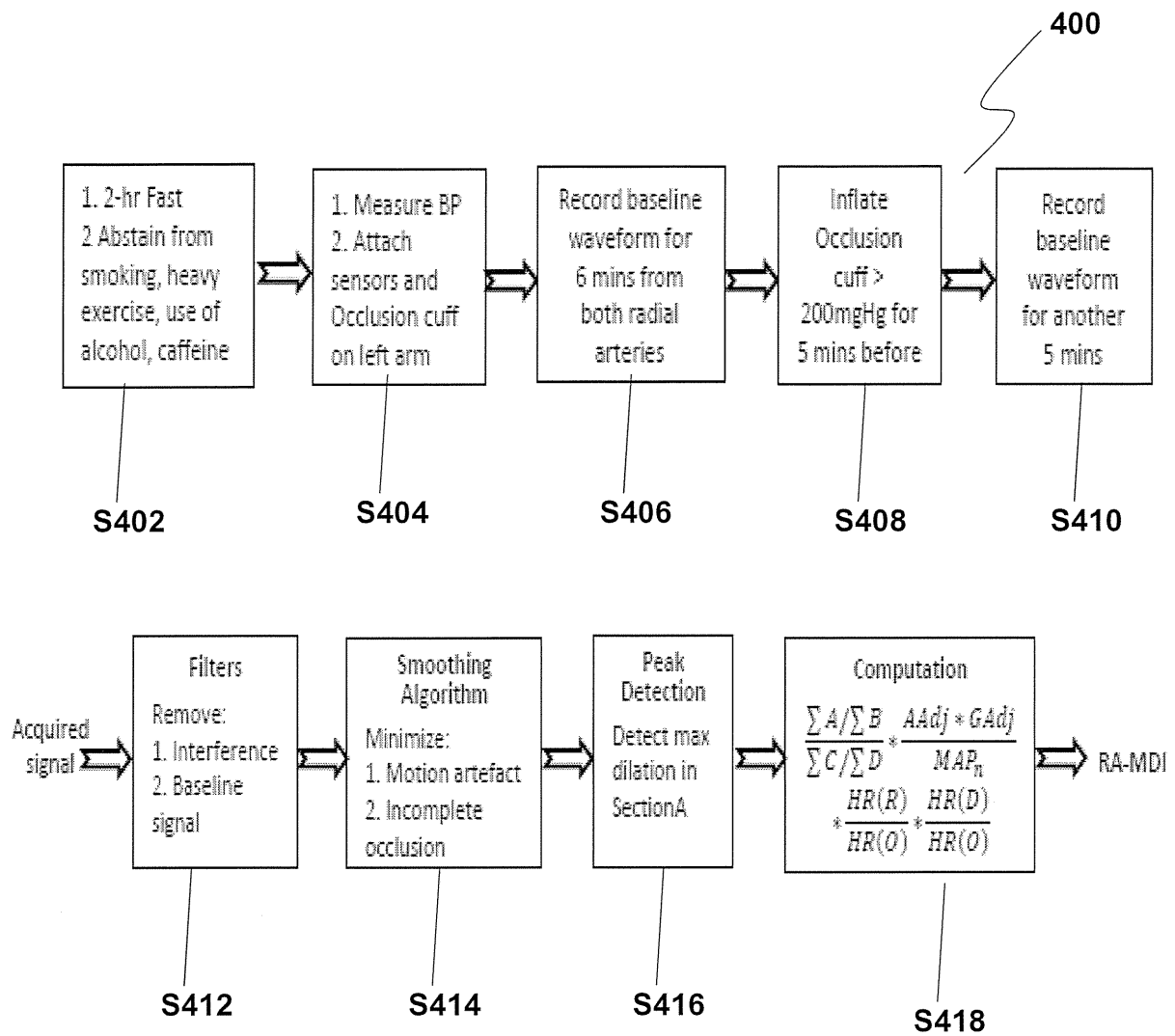
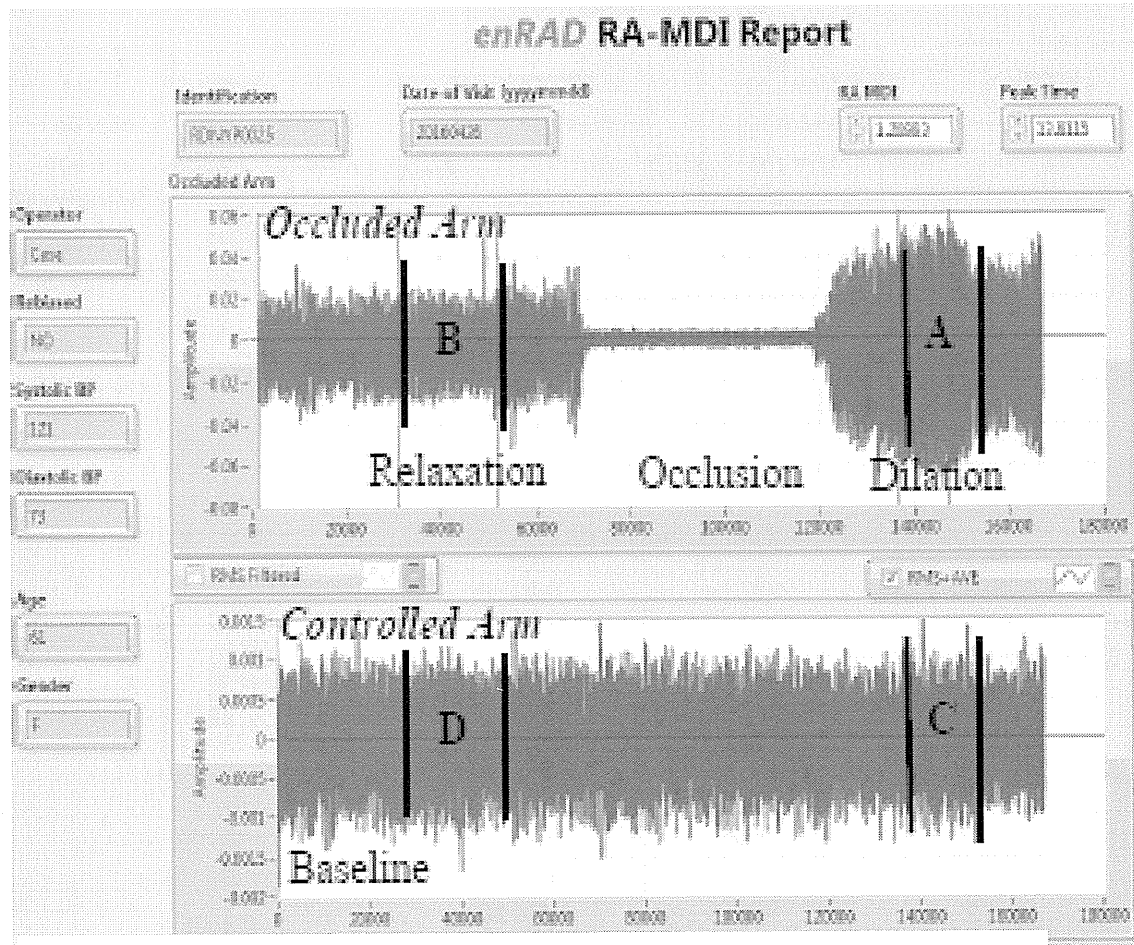


FIG. 4a

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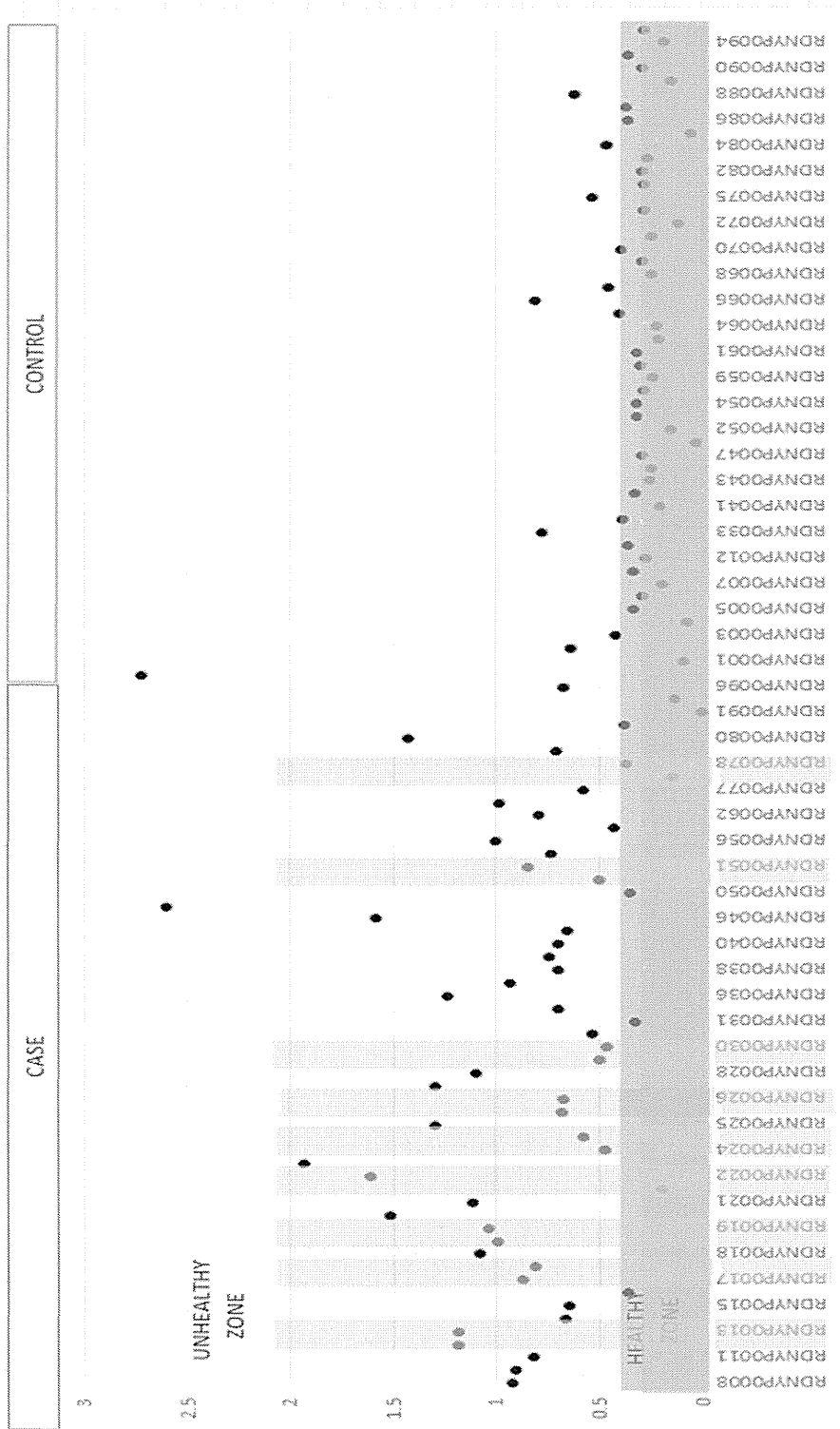


FIG. 5

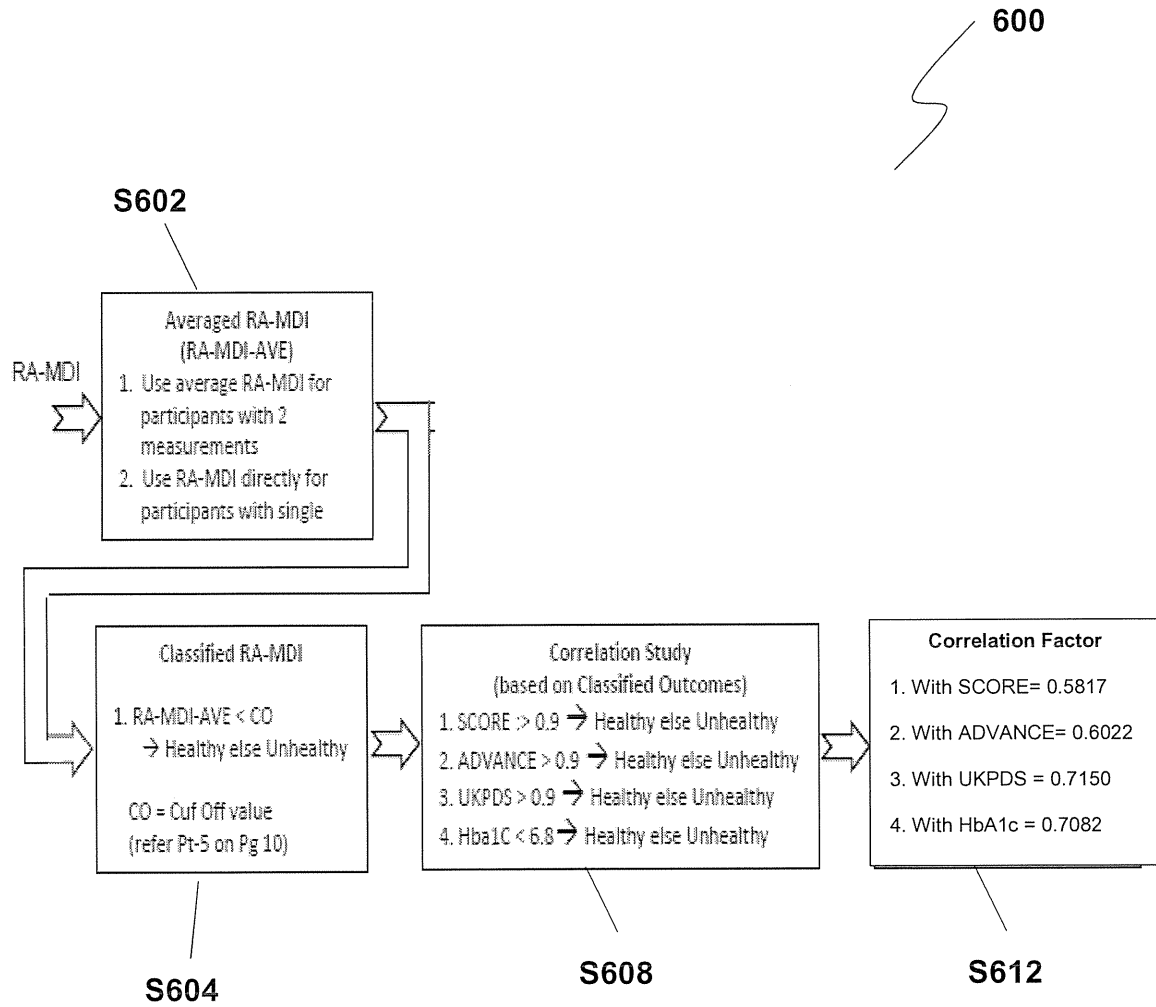


FIG. 6

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Legend:

SCORE – Systematic Coronary Risk Evaluation

UKPDS – UK Prospective Diabetes Study

ADVANCE – ADVANCE Risk Assessment

HbA1c – Haemoglobin A1c

H = Healthy

UH = Unhealthy

Correlation Based on Actual Values		Correlation Based on Classified Outcomes*		*Classified Outcomes
RA-MDI-AVE vs		IF(RA-MDI-AVE < CUTOFF, H, UH) (refer Pt-5 below)		
SCORE	0.4602	SCORE	0.5817	If (SCORE > 0.9%, H, UH)
ADVANCE	0.4631	ADVANCE	0.6022	If (ADVANCE > 0.9%, H, UH)
UKPDS	0.4674	UKPDS	0.7150	If (UKPDS > 0.9%, H, UH)
HbA1c	0.3820	HbA1c	0.7082	If (Hba1C < 6.8, H, UH)

Correlation Based on Actual Values		Correlation Based on Classified Outcomes*		*Classified Outcomes
Competitor device vs		IF(competitor device measument > 0.5128, H, UH)		
SCORE	0.094	SCORE	0.058	If (SCORE > 0.9%, H, UH)
ADVANCE	0.096	ADVANCE	0.074	If (ADVANCE > 0.9%, H, UH)
UKPDS	0.107	UKPDS	0.133	If (UKPDS > 0.9%, H, UH)
HbA1c	0.040	HbA1c	0.213	If (Hba1C < 6.8, H, UH)

FIG. 7

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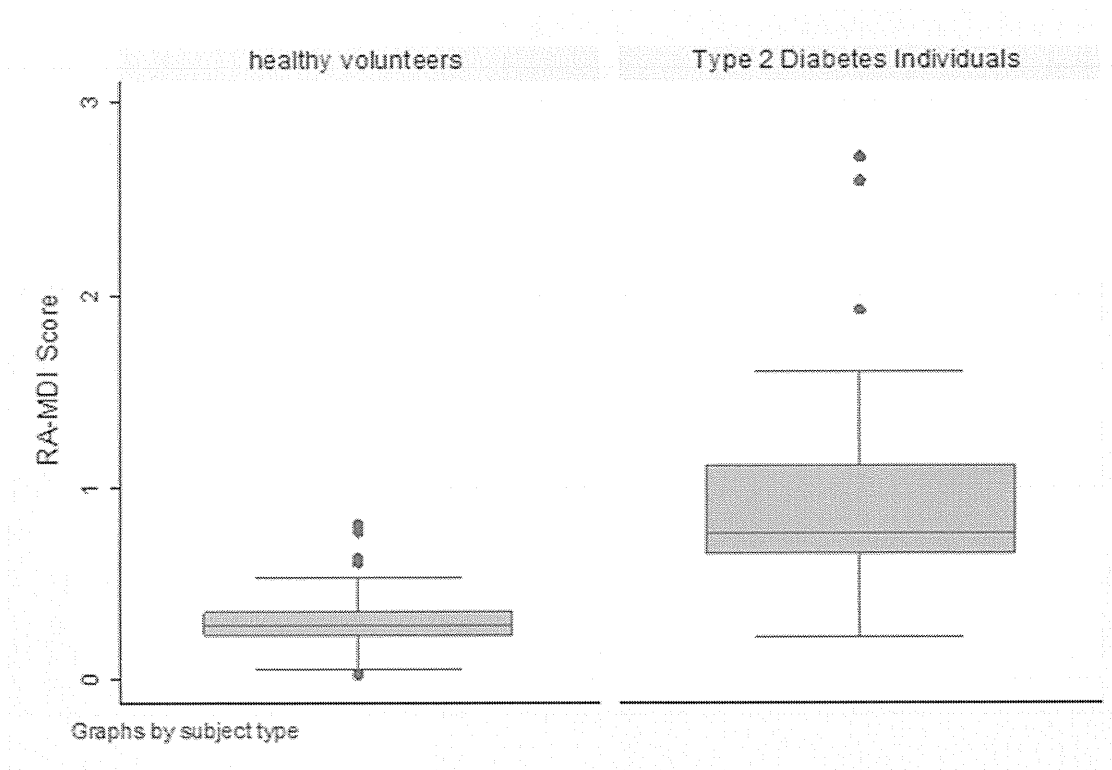


FIG. 8a

Linear regression analysis of the risk score, Carotid artery intima-media thickness and cardiovascular risk factors with the RA-MDI

	Coef.	95% Conf. Interval		p-value
FHS_10 years Lipids (%)	0.0292	0.0196	0.0387	<0.001*
FHS_10 years BMI (%)	0.0270	0.0187	0.0354	<0.001*
FHS_30 years Lipids Full CVD(%)	0.0102	0.0073	0.0131	<0.001*
FHS_30 years Lipids Hard CVD (%)	0.0124	0.0082	0.0166	<0.001*
FHS_30 years BMI Full CVD (%)	0.0097	0.0071	0.0123	<0.001*
FHS_30 years BMI Hard CVD (%)	0.0114	0.0081	0.0146	<0.001*
SCORE (%)	10.2713	4.0333	16.5092	0.002*
ADVANCE (%)	9.6679	4.6630	14.6728	<0.001*
UKPDS (%)	1.6350	0.8316	2.4383	<0.001*
Average CIMT	1.6544	0.9372	2.3716	<0.001*
Maximum CIMT	0.9675	0.6110	1.3239	<0.001*
Age (Years)	0.0204	0.0145	0.0264	<0.001*
Gender				
Male	Ref			
Female	-0.2630	-0.4741	-0.0519	0.015*
Ethnicity				
Chinese	Ref			
Malay	0.0454	-0.2604	0.3511	0.769
Indian	0.3856	0.0662	0.7051	0.019
BMI	0.0252	0.0058	0.0446	0.012*
Systolic BP	0.0118	0.0067	0.0170	<0.001*
Diastolic BP	0.0144	0.0057	0.0232	0.001*
Non-HDL	-0.0762	-0.1778	0.0254	0.140
LDL	-0.1074	-0.1954	-0.0194	0.017
HbA1c	0.1049	0.0611	0.1486	<0.001*
Subject type				
Control	Ref			
DM	0.6174	0.4562	0.7786	<0.001*

FHS : Framingham risk scoring; CIMT: Carotid artery intima media thickness, p<0.01 is considered significant

FIG. 8b

Multivariable analysis looking at the correlation of RA-MDI with cardiovascular risk factors

	Coef.	95% Conf. Interval		p-value
Age (Years)	0.0082	-0.0014	0.0177	0.094*
Gender				
Male	Ref			
Female	-0.1178	-0.2813	0.0456	0.155
BMI	-0.0038	-0.0215	0.0140	0.676
Systolic BP	0.0001	-0.0083	0.0085	0.985
Diastolic BP	0.0044	-0.0065	0.0154	0.423
LDL	0.0102	-0.0819	0.1023	0.826
Subject type				
Control	Ref			
DM	0.3739	0.0704	0.6775	0.016*

This is a multivariable regression model not stepwise model. If I use stepwise model, only DM would remain in the model.

FIG. 8c