

**Cohort, Exam 3**

## Ultrasound data

## Reader Trend Adjusted Shifted Derived Variables for Far Wall Thickness

Similar to the reader trend adjusted variables described in section 3.3, but includes a race/sex/site specific constant added at visit2 and visit3 old equipment and at visit3 new equipment to make mean wall thickness the same as at visit1 for the same race/sex/site/age/BMI.

Variable Name	Description
ID	ARIC SUBJECT ID (CIR)
LBICJS45	Imputed R/T adjusted av45, shifted, LBI
LBICWT45	Weight for LBICJS45: < 1 implies Imputed
LINCJS45	Imputed R/T adjusted av45, shifted, LIN
LINCWT45	Weight for LINCJS45: < 1 implies Imputed
LOPCJS45	Imputed R/T adjusted av45, shifted, LOP
LOPCWT45	Weight for LOPCJS45: < 1 implies Imputed
MNC45_1S	MEAN OF THE JS45 VARIABLES
RBICJS45	Imputed R/T adjusted av45, shifted, RBI
RBICWT45	Weight for RBICJS45: < 1 implies Imputed
RINCJS45	Imputed R/T adjusted av45, shifted, RIN
RINCWT45	Weight for RINCJS45: < 1 implies Imputed
ROPCJS45	Imputed R/T adjusted av45, shifted, ROP
ROPCWT45	Weight for ROPCJS45: < 1 implies Imputed
SUMWTC45	WEIGHT FOR MNC45_1S (=NO. OF OBS SITES/6)

## Data Set Names

The data sets containing these variables are: RTASBF3x, RTASBM3x, RTASWF3x, and RTASWM3x, where rta indicates the variables are reader trend adjusted shifted, the next two letters indicate the gender-race group (B-black, W-white, M-male, F-female), the 3 indicates it is a visit 3 data set, and x is a placeholder for the version of the data set.

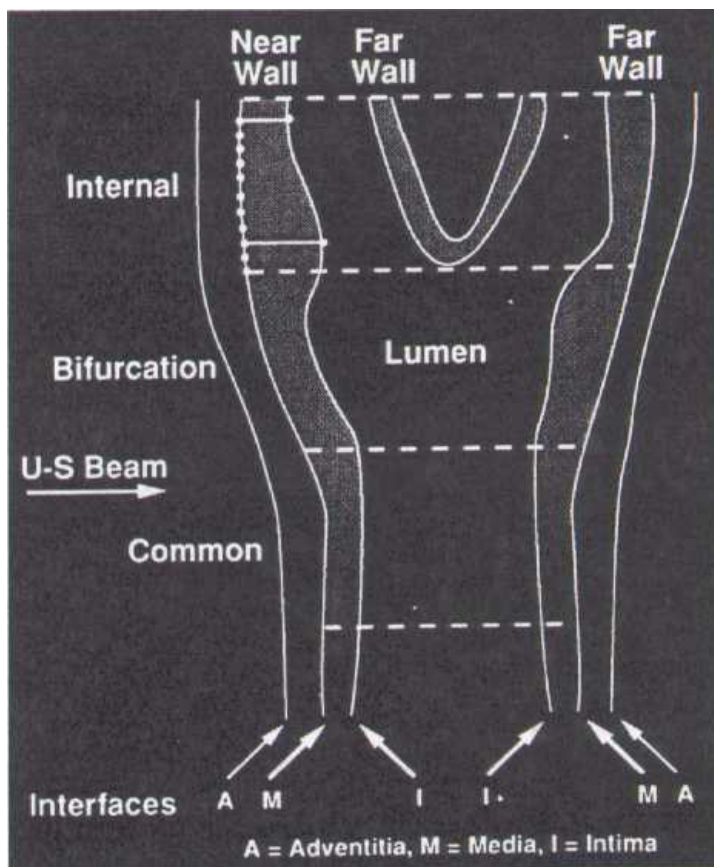
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## APPENDIX A

## B-Mode Derived Variable Site Prefixes

LBI	Left Bifurcation
RBI	Right Bifurcation
LIN	Left Internal Carotid
RIN	Right Internal Carotid
LOP	Left Common Carotid: Optimal Angle
ROP	Right Common Carotid: Optimal Angle
QCC1	First QC Repeat Scan (refer to QC01 for site identification)
QCC2	Second QC Repeat Scan (refer to QC02 for site identification)

Schematic Overview of Carotid Artery B-Mode Ultrasound Measurements



## Interfaces:

- 1- Boundary between the periadventitia and adventitia of the near wall (not measured)
- 2- Boundary between the adventitia and media of the near wall
- 3- Boundary between the intima of the near wall and the blood
- 4- Boundary between blood and intima of the far wall
- 5- Boundary between media and adventitia of the far wall
- 6- Boundary between adventitia and periadventitia of the far wall (not measured)

Max 23 = B-A; Max 45 = D-C; Min 34 = H-G

The extracranial carotid system is divided into one-centimeter segments: I = internal carotid; II = carotid bifurcation; III = common carotid. A maximum of eleven measurements is made by URC readers on each arterial wall interface, in each arterial segment. These measurements are placed equidistant at 1 millimeter intervals, represented by the eleven points placed on interface B2 on the internal carotid. Also shown on this schematic is the definition of a maximum and a minimum wall thickness variable. Computational formulae for these variables are shown in this appendix.

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Reader trend adjusted derived variables for far wall thickness - white female

<i>ID</i>		<i>Aric Subject ID (Cir)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
2883	Present	Text suppressed

<i>LBICJS45</i>		<i>Imputed R/T Adjusted av45, Shifted, LBI</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
2883	Range	0.19642 - 4.404808 ( median=0.769757 mean=0.8422189 std=0.3480639 )

<i>LBICWT45</i>		<i>Weight For LBI: &lt; 1 Implies Imputed</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
87	0.1666666667	
138	0.3333333333	
202	0.5	
213	0.6666666667	
131	0.8333333333	
2112	1	

<i>LINCJS45</i>		<i>Imputed R/T Adjusted av45, Shifted, LIN</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
2883	Range	0.244789 - 5.07525 ( median=0.621622 mean=0.6848707 std=0.3306234 )

<i>LINCWT45</i>		<i>Weight For LIN: &lt; 1 Implies Imputed</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
82	0.1666666667	
148	0.3333333333	
236	0.5	
305	0.6666666667	
245	0.8333333333	
1867	1	

<i>LOPCJS45</i>		<i>Imputed R/T Adjusted av45, Shifted, LOP</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
2883	Range	0.270593 - 2.290079 ( median=0.620751 mean=0.6449086 std=0.1699579 )

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<i>LOPCWT45</i>		<i>Weight For LOP: &lt; 1 Implies Imputed</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
60	0.1666666667	
70	0.3333333333	
55	0.5	
41	0.6666666667	
16	0.8333333333	
2641	1	

<i>MNC45_1S</i>		<i>Mean Of The JS45 Variables</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
2883	Range	0.366553 - 2.912052 ( median=0.684031 mean=0.7325916 std=0.2035076 )

<i>RBICJS45</i>		<i>Imputed R/T Adjusted av45, Shifted, RBI</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
2883	Range	0.183379 - 4.781455 ( median=0.753636 mean=0.8312936 std=0.3617864 )

<i>RBICWT45</i>		<i>Weight For RBI: &lt; 1 Implies Imputed</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
83	0.1666666667	
131	0.3333333333	
177	0.5	
171	0.6666666667	
113	0.8333333333	
2208	1	

<i>RINCJS45</i>		<i>Imputed R/T Adjusted av45, Shifted, RIN</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
2883	Range	0.169347 - 4.547703 ( median=0.677372 mean=0.7515550 std=0.3813400 )

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<i>RINCWT45</i>		<i>Weight For Rin: &lt; 1 Implies Imputed</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
86	0.1666666667	
150	0.3333333333	
229	0.5	
298	0.6666666667	
202	0.8333333333	
1918	1	

<i>ROPCJS45</i>		<i>Imputed R/T Adjusted av45, Shifted, ROP</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
2883	Range	0.183203 - 2.448018 ( median=0.6162 mean=0.64070 std=0.17231 )

<i>ROPCWT45</i>		<i>Weight For ROP: &lt; 1 Implies Imputed</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
47	0.1666666667	
51	0.3333333333	
52	0.5	
22	0.6666666667	
18	0.8333333333	
2693	1	

<i>SUMWTC45</i>		<i>Weight For MNC45_1S(=no. Of Obs Sites/6)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
89	0.1666666667	
172	0.3333333333	
317	0.5	
525	0.6666666667	
725	0.8333333333	
1055	1	