

**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.

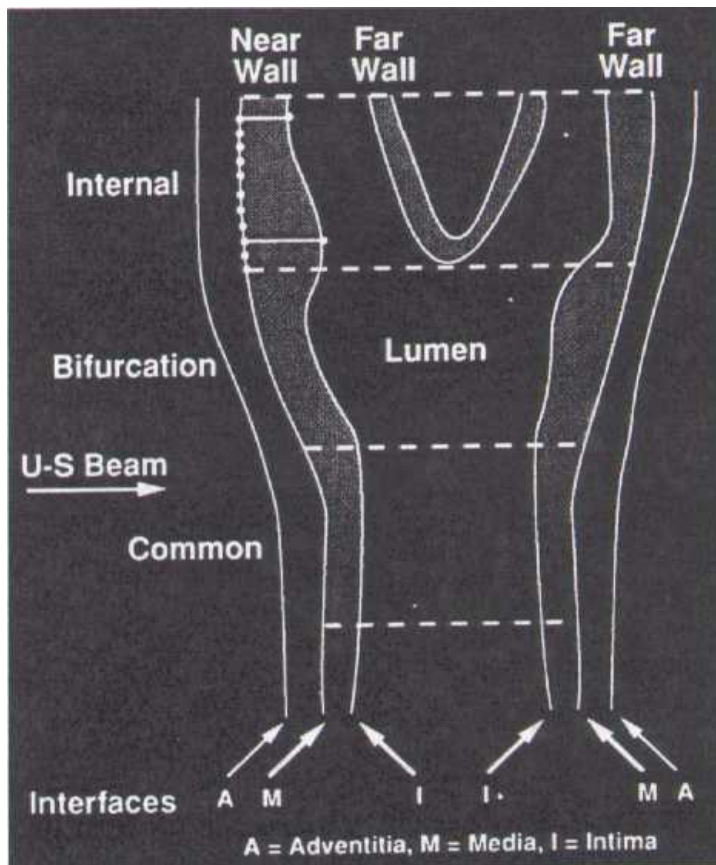
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## APPENDIX A

## 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 - black female

<i>ID</i>		<i>Aric Subject ID (Cir)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
1664	Present	Text suppressed

<i>LBICJS45</i>		<i>Imputed R/T Adjusted av45, Shifted, LBI</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
1664	Range	0.288757 - 3.899938 ( median=0.831529 mean=0.8906233 std=0.3385367 )

<i>LBICWT45</i>		<i>Weight For LBI: &lt; 1 Implies Imputed</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
153	0.1666666667	
225	0.3333333333	
204	0.5	
135	0.6666666667	
56	0.8333333333	
891	1	

<i>LINCJS45</i>		<i>Imputed R/T Adjusted av45, Shifted, LIN</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
1664	Range	0.213792 - 4.19787 ( median=0.635214 mean=0.6779118 std=0.2746987 )

<i>LINCWT45</i>		<i>Weight For LIN: &lt; 1 Implies Imputed</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
157	0.1666666667	
229	0.3333333333	
245	0.5	
186	0.6666666667	
86	0.8333333333	
761	1	

<i>LOPCJS45</i>		<i>Imputed R/T Adjusted av45, Shifted, LOP</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
1664	Range	0.266087 - 2.228389 ( median=0.652829 mean=0.6701613 std=0.1697224 )

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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>
95	0.1666666667	
81	0.3333333333	
42	0.5	
25	0.6666666667	
4	0.8333333333	
1417	1	

<i>MNC45_1S</i>		<i>Mean Of The JS45 Variables</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
1664	Range	0.398862 - 2.345252 ( median=0.71393 mean=0.751985 std=0.182845 )

<i>RBICJS45</i>		<i>Imputed R/T Adjusted av45, Shifted, RBI</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
1664	Range	0.232974 - 3.778565 ( median=0.84197 mean=0.910222 std=0.356363 )

<i>RBICWT45</i>		<i>Weight For RBI: &lt; 1 Implies Imputed</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
159	0.1666666667	
219	0.3333333333	
233	0.5	
157	0.6666666667	
59	0.8333333333	
837	1	

<i>RINCJS45</i>		<i>Imputed R/T Adjusted av45, Shifted, RIN</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
1664	Range	0.223158 - 4.048723 ( median=0.648425 mean=0.6911538 std=0.2812339 )

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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>
156	0.1666666667	
234	0.3333333333	
279	0.5	
229	0.6666666667	
119	0.8333333333	
647	1	

<i>ROPCJS45</i>		<i>Imputed R/T Adjusted av45, Shifted, ROP</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
1664	Range	0.154662 - 1.940488 ( median=0.652753 mean=0.6718362 std=0.1652396 )

<i>ROPCWT45</i>		<i>Weight For ROP: &lt; 1 Implies Imputed</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
105	0.1666666667	
72	0.3333333333	
62	0.5	
8	0.6666666667	
4	0.8333333333	
1413	1	

<i>SUMWTC45</i>		<i>Weight For MNC45_1S(=no. Of Obs Sites/6)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
165	0.1666666667	
265	0.3333333333	
355	0.5	
370	0.6666666667	
328	0.8333333333	
181	1	