

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.

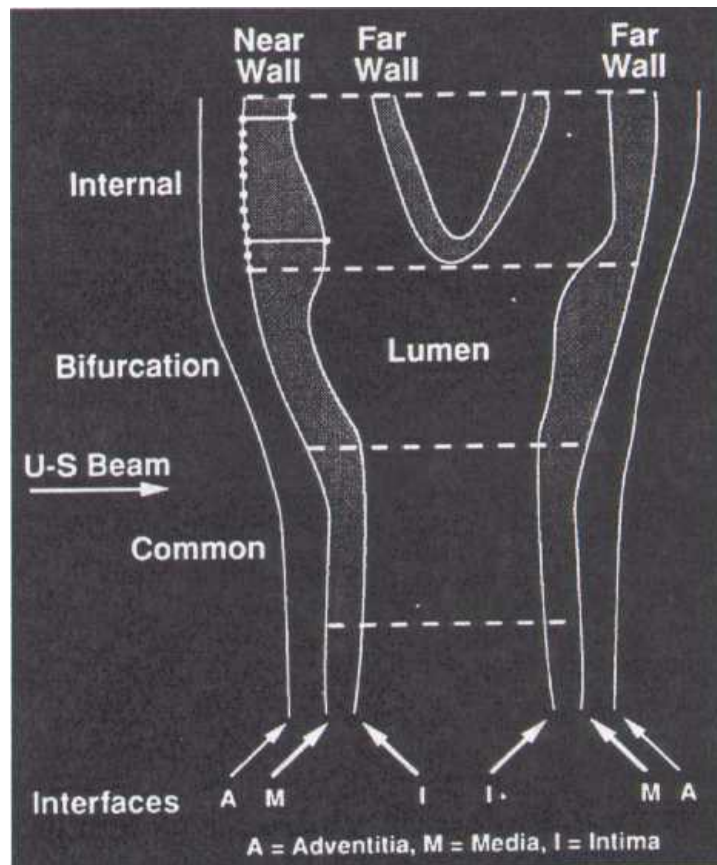
Cohort, Exam 3

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.

Cohort, Exam 3**Ultrasound data**

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

<i>ID</i>		<i>Aric Subject ID (Cir)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
2396	Present	Text suppressed

<i>LBICJS45</i>		<i>Imputed R/T Adjusted av45, Shifted, LBI</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
2396	Range	0.286928 - 4.206798 (median=0.870337 mean=0.9546496 std=0.4230056)

<i>LBICWT45</i>		<i>Weight For LBI: < 1 Implies Imputed</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
102	0.1666666667	
155	0.3333333333	
211	0.5	
209	0.6666666667	
131	0.8333333333	
1588	1	

<i>LINCJS45</i>		<i>Imputed R/T Adjusted av45, Shifted, LIN</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
2396	Range	0.217594 - 5.99645 (median=0.694439 mean=0.7652152 std=0.3645845)

<i>LINCWT45</i>		<i>Weight For LIN: < 1 Implies Imputed</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
100	0.1666666667	
159	0.3333333333	
225	0.5	
249	0.6666666667	
195	0.8333333333	
1468	1	

<i>LOPCJS45</i>		<i>Imputed R/T Adjusted av45, Shifted, LOP</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
2396	Range	0.258069 - 2.050629 (median=0.68554 mean=0.708606 std=0.191639)

Cohort, Exam 3

<i>LOPCWT45</i>		<i>Weight For LOP: < 1 Implies Imputed</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
72	0.1666666667	
80	0.3333333333	
76	0.5	
40	0.6666666667	
32	0.8333333333	
2096	1	

<i>MNC45_1S</i>		<i>Mean Of The JS45 Variables</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
2396	Range	0.416213 - 3.776184 (median=0.767609 mean=0.8333522 std=0.2590746)

<i>RBICJS45</i>		<i>Imputed R/T Adjusted av45, Shifted, RBI</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
2396	Range	0.2313 - 6.802335 (median=0.866299 mean=0.9985999 std=0.5128938)

<i>RBICWT45</i>		<i>Weight For RBI: < 1 Implies Imputed</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
97	0.1666666667	
151	0.3333333333	
185	0.5	
171	0.6666666667	
103	0.8333333333	
1689	1	

<i>RINCJS45</i>		<i>Imputed R/T Adjusted av45, Shifted, RIN</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
2396	Range	0.146468 - 5.045983 (median=0.761539 mean=0.8747983 std=0.4728530)

Cohort, Exam 3

<i>RINCWT45</i>		<i>Weight For RIN: < 1 Implies Imputed</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
99	0.1666666667	
157	0.3333333333	
245	0.5	
209	0.6666666667	
139	0.8333333333	
1547	1	

<i>ROPCJS45</i>		<i>Imputed R/T Adjusted av45, Shifted, ROP</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
2396	Range	0.206734 - 5.270418 (median=0.67207 mean=0.698244 std=0.224004)

<i>ROPCWT45</i>		<i>Weight For ROP: < 1 Implies Imputed</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
60	0.1666666667	
58	0.3333333333	
60	0.5	
32	0.6666666667	
13	0.8333333333	
2173	1	

<i>SUMWTC45</i>		<i>Weight For MNC45_1S(=no. Of Obs Sites/6)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
106	0.1666666667	
190	0.3333333333	
334	0.5	
455	0.6666666667	
613	0.8333333333	
698	1	