

Form 37: Nerve Conduction Studies

Purpose: Record measured values of nerve-conduction velocity, amplitude, and F-wave latencies in two peripheral motor nerves; velocity and amplitude in two peripheral sensory nerves; and interelectrode distances and test temperatures.

Collection Schedule: Baseline, the fifth annual visit, and close-out for all patients; also performed at the first and second annual visits in the Phase II cohort.

Data Set Name: F0372

Structure: One record per patient per administration.

Size: 4041 observations of 38 variables.

Known Anomalies: The data collection form failed to specify how to report nerves that failed to respond to stimulation (as distinct from nerves that were never tested). In 1990, clinic neurologists were instructed to report unresponsive nerves as having amplitudes of zero and use a special missing-value code (.N) for the conduction velocity and F-wave latency. Distances and temperatures were to be measured and reported. In some cases, F-wave latencies could not be obtained from nerves that provided measurable conduction velocity; in these cases, the F-wave latency alone is coded as .N. Data obtained prior to 1990 were recoded retroactively provided confirmation was obtained from the clinic that performed the test.

Non-responsive nerves were considered abnormal in the published analyses of DCCT nerve-conduction results. However, the statistical summary of these data that follows did not distinguish between non-responsive nerves and missing values.

Some observations still contain internal inconsistencies, either in the reporting of unresponsive nerves or in the internal relationships between measured variables from a single nerve (e.g., velocities not equal to the ratio of distance to latency).



2. Median Nerve Sensory Conduction

Digit II-III

CGB2A	a) Temperature before (C degrees)	___ ___ ___	70-73
CGB2B	b) Distance (mm)	___ ___	74-78
CGB2C	c) Latency (msec)	___ ___	77-80
CGB2D	d) Conduction Velocity (m/sec)	___ ___	81-84
CGB2E	e) Amplitude (V)	___ ___	85-88
CGB2F	f) Temperature after (C degrees)	___ ___	87-90

3. Peroneal Nerve Motor Conduction

Ankle-gait. dig. brev.

CGB3A	a) Distance (mm)	___ ___	91-93
CGB3B	b) Latency (msec)	___ ___	94-97
CGB3C	c) Amplitude (mV)	___ ___	98-101

Below 50g. fib.-ankle

CGB3D	d) Temperature before (C degrees)	___ ___	102-105
CGB3E	e) Distance (mm)	___ ___	106-108
CGB3F	f) Latency (msec)	___ ___	109-112
CGB3G	g) Conduction Velocity (m/sec)	___ ___	113-116
CGB3H	h) Amplitude (mV)	___ ___	117-120
CGB3I	i) Temperature after (C degrees)	___ ___	121-124

F-Wave-Ankle

CGB3J	j) Latency (msec)	___ ___	125-128
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4. Sural Sensory Conduction

Calcif-interal malleolus (14 cm proximal to the active electrode)

a) Temperature before (C degrees)	___ ___	129-132	CGB4A
b) Distance (mm)	___ ___	133-135	CGB4B
c) Latency (msec)	___ ___	136-138	CGB4C
d) Conduction Velocity (m/sec)	___ ___	140-143	CGB4D
e) Amplitude (V)	___ ___	144-145	CGB4E
f) Temperature after (C degrees)	___ ___	146-149	CGB4F

Type or print name of electromyographer: _____ Certification Number (if any) _____

___|___| 150-153
CGCERT1

Type or print name of Clinic Coordinator: _____

___|___| 194-197
CGCERT2

CONTENTS PROCEDURE

Data Set Name: DCEXPORT.F0372 Observations: 4041
 Member Type: DATA Variables: 38
 Engine: V608 Indexes: 0
 Created: 14:44 Friday, October 27, 1995 Observation Length: 234
 Last Modified: 14:44 Friday, October 27, 1995 Deleted Observations: 0
 Protection: Compressed: NO
 Data Set Type: Sorted: NO
 Label:

-----Engine/Host Dependent Information-----

Data Set Page Size: 12288
 Number of Data Set Pages: 79
 File Format: 607
 First Data Page: 1
 Max Obs per Page: 52
 Obs in First Data Page: 30
 Userid : SAS2
 File : F0372 DCEXPORT

-----Alphabetic List of Variables and Attributes-----

#	Variable	Type	Len	Pos	Format	Label
3	CGB1A	Num	3	6		WRIST-ABD. POLL. BREV. MUSCLE DIST. (MM)
4	CGB1B	Num	8	9		WRIST-ABD. POLL. BREV. MUSC. LATE. (MSEC)
5	CGB1C	Num	8	17		WRIST-ABD. POLL. BREV. MUSC. AMP. (MV)
6	CGB1D	Num	8	25		F-WAVE-WRIST LATENCY (MSEC)
7	CGB1E	Num	8	33		ELBOW-WRIST TEMP. BEFORE (C)
8	CGB1F	Num	3	41		ELBOW-WRIST DIST. (MM)
9	CGB1G	Num	8	44		ELBOW-WRIST LATE. (MSEC)
10	CGB1H	Num	8	52		ELBOW-WRIST VELOC. (M/SEC)
11	CGB1I	Num	8	60		ELBOW-WRIST AMP. (MV)
12	CGB1J	Num	8	68		ELBOW-WRIST TEMP. AFTER (C)
13	CGB2A	Num	8	76		DIGIT II-WRIST TEMP. BEFORE (C)
14	CGB2B	Num	3	84		DIGIT II-WRIST DIST. (MM)
15	CGB2C	Num	8	87		DIGIT II-WRIST LAT. (MSEC)
16	CGB2D	Num	8	95		DIGIT II-WRIST VELOC. (M/SEC)
36	CGB2E	Num	2	222		DIGIT II-WRIST AMP. (MICROV)
17	CGB2F	Num	8	103		DIGIT II-WRIST TEMP. AFTER (C)
18	CGB3A	Num	3	111		ANKLE-EXT. DIG. BREV. DIST. (MM)
19	CGB3B	Num	8	114		ANKLE-EXT. DIG. BREV. LATE. (MSEC)
20	CGB3C	Num	8	122		ANKLE-EXT. DIG. BREV. AMP. (MV)
21	CGB3D	Num	8	130		BELOW CAP. FIB.-ANKLE TEMP. BEFORE (C)
22	CGB3E	Num	3	138		BELOW CAP. FIB.-ANKLE DIST. (MM)
23	CGB3F	Num	8	141		BELOW CAP. FIB.-ANKLE LATE. (MSEC)
24	CGB3G	Num	8	149		BELOW CAP. FIB.-ANKLE VELOC. (M/SEC)
25	CGB3H	Num	8	157		BELOW CAP. FIB.-ANKLE AMP. (MV)
26	CGB3I	Num	8	165		BELOW CAP. FIB.-ANKLE TEMP. AFTER (C)
27	CGB3J	Num	8	173		F-WAVE-ANKLE LATE (MSEC)
28	CGB4A	Num	8	181		CALF-LAT. MALL. 14 CM TEMP. BEFORE (C)
29	CGB4B	Num	3	189		CALF-LAT. MALL. 14 CM DIST. (MM)
30	CGB4C	Num	8	192		CALF-LAT. MALL. 14 CM LATE. (MSEC)
31	CGB4D	Num	8	200		CALF-LAT. MALL. 14 CM VELOC. (M/SEC)
37	CGB4E	Num	2	224		CALF-LAT. MALL. 14 CM AMP. (MICROV)
32	CGB4F	Num	8	208		CALF-LAT. MALL. 14 CM TEMP. AFTER (C)

CONTENTS PROCEDURE

#	Variable	Type	Len	Pos	Format	Label
35	CGSIDE	Num	2	220		PATIENT'S DOMINANT SIDE
33	CGVSITNO	Num	2	216		FOLLOW-UP VISIT #
34	CGWINDOW	Num	2	218		VISIT HELD WITHIN TIME WINDOW
2	FORM	Num	3	3		DCCT FORM NUMBER
1	FSASDATE	Num	3	0	MMDDYY8.	FORMDATE AS SAS DATE VALUE
38	MASK_PAT	Num	8	226		Patient ID number

*** DISTRIBUTIONAL SUMMARY ***

Variable Attributes	Statistic	Primary Retinopathy		Secondary Retinopathy		Treatment Group		Overall
		<--Int-->	<--Cnv-->	<--Int-->	<--Cnv-->	<--Int-->	<--Cnv-->	<Overall-->
WRIST-ABD. POLL. BREV. MUSCLE DIST.(MM)								
Variable Name: CGB1A								
N	903.00	971.00	1874.00	1117.00	1045.00	2020.00	2016.00	4036.00
Nmiss	0.00	2.00	2.00	2.00	1.00	2.00	3.00	5.00
Mean	62.82	62.97	62.90	62.61	62.27	62.70	62.61	62.66
Std	22.08	11.21	17.32	25.78	21.21	24.19	17.14	20.96
Minimum	32.00	11.00	11.00	5.00	30.00	5.00	5.00	5.00
25th pct	55.00	55.00	55.00	53.00	55.00	54.00	55.00	55.00
Median	62.00	62.00	62.00	60.00	61.00	60.00	61.00	61.00
75th pct	70.00	70.00	70.00	70.00	70.00	70.00	70.00	70.00
Maximum	650.00	160.00	650.00	550.00	640.00	650.00	640.00	650.00
WRIST-ABD. POLL. BREV. MUSC. LATE.(MSEC)								
Variable Name: CGB1B								
N	902.00	972.00	1874.00	1119.00	1043.00	2021.00	2015.00	4036.00
Nmiss	1.00	1.00	2.00	0.00	3.00	1.00	4.00	5.00
Mean	3.41	3.59	3.50	3.65	3.76	3.54	3.68	3.61
Std	0.53	1.91	1.43	0.70	0.84	0.64	1.46	1.13
Minimum	2.20	2.30	2.20	2.10	2.10	2.10	2.10	2.10
25th pct	3.00	3.10	3.10	3.20	3.30	3.10	3.20	3.20
Median	3.40	3.40	3.40	3.50	3.60	3.40	3.50	3.50
75th pct	3.70	3.80	3.80	4.00	4.10	3.90	4.00	3.90
Maximum	6.70	60.00	60.00	8.60	13.50	8.60	60.00	60.00
WRIST-ABD. POLL. BREV. MUSC. AMP.(MV)								
Variable Name: CGB1C								
N	903.00	972.00	1875.00	1118.00	1045.00	2021.00	2017.00	4038.00
Nmiss	0.00	1.00	1.00	1.00	1.00	1.00	2.00	3.00
Mean	10.67	10.55	10.61	10.64	10.34	10.65	10.44	10.55
Std	3.64	3.69	3.66	4.25	3.93	3.99	3.82	3.91
Minimum	1.20	2.00	1.20	0.80	0.80	0.80	0.80	0.80
25th pct	8.00	8.00	8.00	8.00	7.60	8.00	7.90	8.00
Median	10.40	10.20	10.20	10.20	10.00	10.30	10.00	10.10
75th pct	13.00	13.00	13.00	13.00	12.70	13.00	12.80	12.90
Maximum	25.40	27.00	27.00	40.30	30.00	40.30	30.00	40.30
F-WAVE-WRIST LATENCY(MSEC)								
Variable Name: CGB1D								
N	897.00	967.00	1864.00	1107.00	1029.00	2004.00	1996.00	4000.00
Nmiss	6.00	6.00	12.00	12.00	17.00	18.00	23.00	41.00
Mean	27.46	28.35	27.92	28.32	29.08	27.93	28.73	28.33
Std	2.54	2.68	2.65	3.03	3.02	2.85	2.89	2.90
Minimum	6.80	19.00	6.80	0.50	2.70	0.50	2.70	0.50
25th pct	25.90	26.40	26.00	26.50	27.00	26.10	26.70	26.40
Median	27.30	28.20	27.80	28.00	29.00	27.80	28.60	28.00
75th pct	29.00	30.10	29.60	30.00	31.00	29.60	30.50	30.00
Maximum	40.00	37.60	40.00	54.40	42.90	54.40	42.90	54.40

(VWF=DOUGPROD 191: F0372 LISTING)
 (VWF=ARNOLD 191: DOCUMENT SAS)

Notes:

* * D I S T R I B U T I O N A L S U M M A R Y * *

Variable Attributes	Statistic	<---Primary Retinopathy----->		<---Secondary Retinopathy----->		<---Treatment Group-->		<Overall>
		<---Int-->	<---Cnv-->	<---Int-->	<---Cnv-->	<---Int-->	<---Cnv-->	
ELBOW-WRIST TEMP. BEFORE (C) Variable Name: CGB1E	N	903.00	971.00	1113.00	1045.00	2158.00	2016.00	4032.00
	Nmiss	0.00	2.00	6.00	1.00	7.00	3.00	9.00
	Mean	32.97	32.99	32.88	32.84	32.86	32.92	32.92
	Std	1.26	1.28	1.37	1.40	1.39	1.35	1.34
	Minimum	28.50	27.60	20.00	20.00	20.00	20.00	20.00
	25th pct	32.10	32.10	32.00	32.00	32.00	32.00	32.00
	Median	33.00	33.00	33.00	33.00	33.00	33.00	33.00
	75th pct	34.00	34.00	33.80	33.60	33.70	33.90	33.90
	Maximum	38.00	37.80	38.00	38.00	38.00	38.00	38.00
ELBOW-WRIST DIST.(MM) Variable Name: CGB1F	N	903.00	972.00	1119.00	1044.00	2163.00	2022.00	4038.00
	Nmiss	0.00	1.00	0.00	2.00	2.00	0.00	3.00
	Mean	243.62	245.70	244.56	246.41	245.45	244.14	245.10
	Std	25.69	26.37	26.02	26.92	26.46	25.78	26.23
	Minimum	24.00	24.00	2.20	2.20	2.20	2.20	2.20
	25th pct	230.00	230.00	230.00	230.00	230.00	230.00	230.00
	Median	242.00	245.00	245.00	245.00	245.00	245.00	245.00
	75th pct	260.00	260.00	260.00	265.00	262.00	260.00	260.00
	Maximum	337.00	325.00	322.00	342.00	342.00	337.00	342.00
ELBOW-WRIST LATE.(MSEC) Variable Name: CGB1G	N	902.00	972.00	1117.00	1043.00	2160.00	2019.00	4034.00
	Nmiss	1.00	1.00	2.00	3.00	5.00	3.00	7.00
	Mean	7.78	8.04	8.10	8.45	8.27	7.96	8.25
	Std	1.13	1.13	1.21	1.50	1.37	1.18	1.28
	Minimum	3.00	3.40	3.50	3.10	3.10	3.10	3.00
	25th pct	7.30	7.40	7.50	7.70	7.60	7.30	7.40
	Median	7.80	8.00	8.10	8.40	8.20	7.90	7.80
	75th pct	8.30	8.65	8.80	9.20	9.00	8.60	8.80
	Maximum	23.00	12.40	13.70	27.30	27.30	23.00	27.30
ELBOW-WRIST VELOC.(M/SEC) Variable Name: CGB1H	N	902.00	972.00	1116.00	1043.00	2159.00	2018.00	4033.00
	Nmiss	1.00	1.00	3.00	3.00	6.00	4.00	8.00
	Mean	55.31	53.69	53.71	52.03	52.89	54.42	53.63
	Std	4.49	4.38	4.51	4.67	4.66	4.57	4.66
	Minimum	0.00	38.50	29.50	21.00	21.00	21.00	21.00
	25th pct	52.70	50.90	51.00	49.00	50.00	51.80	50.90
	Median	55.40	53.70	53.70	52.00	53.00	54.40	53.60
	75th pct	58.00	56.60	56.50	55.00	55.90	57.10	56.70
	Maximum	71.40	73.00	78.60	73.60	78.60	78.60	78.60

Notes: (VM=DOUGPROD 191: F0372 LISTING)
 (VM=ARNOLD 191: DOCUMENT SAS)

Variable Attributes	Statistic	<--Int-->	<--Cnv-->	<-Total-->	<--Int-->	<--Cnv-->	<-Total-->	<--Int-->	<--Cnv-->	<-Total-->	<--Int-->	<--Cnv-->	<-Total-->
ELBOW-WRIST AMP.(MV)													
Variable Name: CGB11													
N	902.00	972.00	1874.00	1118.00	1041.00	2159.00	2020.00	2013.00	4033.00				
Nmiss	1.00	1.00	2.00	1.00	5.00	6.00	2.00	6.00	8.00				
Mean	10.23	10.11	10.17	10.18	9.78	9.99	10.20	9.94	10.07				
Std	3.53	3.62	3.58	4.11	3.76	3.95	3.86	3.70	3.78				
Minimum	1.80	1.80	1.80	0.70	1.00	0.70	0.70	1.00	0.70				
25th pct	7.60	7.50	7.50	7.50	7.50	7.40	7.50	7.40	7.50				
Median	10.00	10.00	10.00	10.00	9.80	10.00	10.00	10.00	10.00				
75th pct	12.20	12.10	12.10	12.40	12.00	12.10	12.30	12.00	12.10				
Maximum	25.00	32.10	32.10	37.30	30.00	37.30	37.30	32.10	37.30				
ELBOW-WRIST TEMP. AFTER (C)													
Variable Name: CGB1J													
N	903.00	971.00	1874.00	1113.00	1043.00	2156.00	2016.00	2014.00	4030.00				
Nmiss	0.00	2.00	2.00	6.00	3.00	9.00	6.00	5.00	11.00				
Mean	32.98	32.99	32.99	32.83	32.81	32.82	32.90	32.90	32.90				
Std	1.28	1.26	1.27	1.41	1.59	1.50	1.35	1.44	1.40				
Minimum	28.40	27.20	27.20	20.00	10.10	10.10	20.00	10.10	10.10				
25th pct	32.10	32.10	32.10	32.00	32.00	32.00	32.00	32.10	32.00				
Median	33.00	33.00	33.00	33.00	33.00	33.00	33.00	33.00	33.00				
75th pct	34.00	33.90	34.00	33.80	33.60	33.70	33.90	33.80	33.80				
Maximum	38.00	37.80	38.00	38.00	38.00	38.00	38.00	38.00	38.00				
DIGIT II-WRIST TEMP. BEFORE (C)													
Variable Name: CGB2A													
N	903.00	970.00	1873.00	1113.00	1042.00	2155.00	2016.00	2012.00	4028.00				
Nmiss	0.00	3.00	3.00	6.00	4.00	10.00	6.00	7.00	13.00				
Mean	32.75	32.81	32.78	32.65	32.64	32.64	32.69	32.72	32.71				
Std	1.62	1.56	1.59	1.69	1.65	1.67	1.66	1.61	1.64				
Minimum	26.50	26.30	26.30	20.00	20.00	20.00	20.00	20.00	20.00				
25th pct	32.00	32.00	32.00	31.80	32.00	31.90	32.00	32.00	32.00				
Median	33.00	33.00	33.00	33.00	33.00	33.00	33.00	33.00	33.00				
75th pct	34.00	34.00	34.00	33.90	33.70	33.80	34.00	33.90	34.00				
Maximum	38.00	37.80	38.00	38.00	38.20	38.20	38.00	38.20	38.20				
DIGIT II-WRIST DIST.(MM)													
Variable Name: CGB2B													
N	902.00	971.00	1873.00	1113.00	1036.00	2149.00	2015.00	2007.00	4022.00				
Nmiss	1.00	2.00	3.00	6.00	10.00	16.00	7.00	12.00	19.00				
Mean	136.93	138.20	137.59	136.94	136.20	136.59	136.94	137.17	137.05				
Std	14.28	14.13	14.21	16.20	16.42	16.31	15.37	15.38	15.37				
Minimum	35.00	8.00	8.00	1.00	2.00	1.00	1.00	2.00	1.00				
25th pct	130.00	130.00	130.00	130.00	130.00	130.00	130.00	130.00	130.00				
Median	135.00	139.00	138.00	138.00	135.00	136.00	136.00	137.00	137.00				
75th pct	140.00	143.00	142.00	140.00	140.00	140.00	140.00	142.00	141.00				
Maximum	200.00	270.00	270.00	195.00	301.00	301.00	200.00	301.00	301.00				

Notes: (vm=DOUGPROD 191: F0372 LISTING)
(vm=ARNOLD 191: DOCUMENT SAS)

*** DISIRIBUTIONAL SUMMARY ***

Variable Attributes	Statistic	-----Primary Retinopathy-----		-----Secondary Retinopathy-----		-----Treatment Group-----		Overall
		<--Int-->	<--Cnv-->	<--Int-->	<--Cnv-->	<--Int-->	<--Cnv-->	<Overall-->
DIGIT I1-WRIST LAT.(MSEC) Variable Name: CGB2C	N	899.00	968.00	1867.00	1031.00	2143.00	1999.00	4010.00
	Nmiss	4.00	5.00	9.00	15.00	14.00	20.00	31.00
	Mean	2.65	2.74	2.70	2.99	2.94	2.87	2.82
	Std	0.44	0.47	0.46	1.57	1.16	1.18	0.91
	Minimum	1.70	1.30	1.30	1.80	1.70	1.30	1.30
	25th pct	2.40	2.40	2.40	2.50	2.50	2.50	2.40
	Median	2.60	2.70	2.60	2.80	2.80	2.80	2.70
	75th pct	2.80	3.00	2.90	3.20	3.20	3.10	3.10
	Maximum	5.70	5.70	5.70	42.00	42.00	42.00	42.00
DIGIT I1-WRIST VELOC.(M/SEC) Variable Name: CGB2D	N	899.00	968.00	1867.00	1031.00	2141.00	1999.00	4008.00
	Nmiss	4.00	5.00	9.00	15.00	14.00	20.00	33.00
	Mean	52.94	51.85	52.37	48.19	48.72	49.96	50.42
	Std	7.39	7.27	7.35	8.04	8.09	7.93	7.96
	Minimum	0.00	22.80	0.00	3.00	3.00	3.00	0.00
	25th pct	48.30	47.50	48.10	42.40	43.30	44.80	45.40
	Median	53.10	52.00	52.20	48.30	50.00	50.00	50.90
	75th pct	58.30	56.50	57.10	54.20	54.20	55.60	56.00
	Maximum	72.00	82.30	82.30	70.00	70.00	82.30	82.30
DIGIT I1-WRIST AMP.(MICROV) Variable Name: CGB2E	N	901.00	971.00	1872.00	1035.00	2152.00	2006.00	4024.00
	Nmiss	2.00	2.00	4.00	11.00	13.00	13.00	17.00
	Mean	22.47	21.51	21.97	17.66	17.59	19.52	19.63
	Std	13.42	13.32	13.37	12.22	12.08	12.90	12.88
	Minimum	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	25th pct	13.00	12.00	13.00	10.00	10.00	10.00	11.00
	Median	20.00	19.00	20.00	15.00	15.00	17.00	17.00
	75th pct	28.00	28.00	28.00	22.00	22.00	25.00	25.00
	Maximum	110.00	85.00	110.00	95.00	95.00	95.00	110.00
DIGIT I1-WRIST TEMP. AFTER (C) Variable Name: CGB2F	N	902.00	970.00	1872.00	1042.00	2156.00	2012.00	4028.00
	Nmiss	1.00	3.00	4.00	4.00	9.00	7.00	13.00
	Mean	32.71	32.79	32.75	32.61	32.60	32.69	32.67
	Std	1.62	1.57	1.59	1.68	1.69	1.63	1.65
	Minimum	26.50	26.30	26.30	20.00	20.00	20.00	20.00
	25th pct	32.00	32.00	32.00	31.90	31.80	32.00	32.00
	Median	33.00	33.00	33.00	32.95	32.90	33.00	33.00
	75th pct	34.00	34.00	34.00	33.60	33.70	33.80	33.80
	Maximum	38.00	37.90	38.00	38.00	38.00	38.00	38.00

Notes: (VM=DOUGPROD 191: F0372 LISTING)
 (VM=ARNOLD 191: DOCUMENT SAS)

** DISTRIBUTIONAL SUMMARY **

Variable Attributes	Statistic	<-----Primary Retinopathy----->		<-----Secondary Retinopathy----->		<--Treatment Group-->		<Overall>
		<--Int-->	<--Cnv-->	<--Int-->	<--Cnv-->	<--Int-->	<--Cnv-->	
ANKLE-EXT. DIG. BREV. DIST. (MM)								
Variable Name: CGB3A								
N	901.00	1870.00	1044.00	1116.00	1044.00	2017.00	2013.00	4030.00
Nmiss	2.00	6.00	2.00	3.00	2.00	5.00	6.00	11.00
Mean	77.26	76.68	75.23	76.97	75.23	77.10	75.67	76.39
Std	27.77	22.53	26.49	32.85	26.49	30.67	22.14	26.76
Minimum	33.00	8.00	0.00	0.00	0.00	0.00	0.00	0.00
25th pct	65.00	65.00	63.00	65.00	63.00	65.00	64.00	65.00
Median	78.00	80.00	78.00	78.00	75.00	77.00	77.00	77.00
75th pct	87.00	86.00	85.00	85.00	85.00	85.00	85.00	85.00
Maximum	650.00	650.00	750.00	660.00	750.00	660.00	750.00	750.00
ANKLE-EXT. DIG. BREV. LATE. (NSEC)								
Variable Name: CGB3B								
N	901.00	1869.00	1042.00	1113.00	1042.00	2014.00	2010.00	4024.00
Nmiss	2.00	7.00	4.00	6.00	4.00	8.00	9.00	17.00
Mean	4.41	4.51	4.63	4.55	4.63	4.69	4.62	4.55
Std	0.87	0.92	1.03	0.94	1.03	0.91	0.99	0.96
Minimum	2.30	2.30	2.60	2.60	2.60	2.30	2.30	2.30
25th pct	3.80	3.90	3.90	3.90	3.90	3.90	3.90	3.90
Median	4.30	4.40	4.50	4.40	4.50	4.40	4.40	4.40
75th pct	4.90	5.00	5.10	5.00	5.10	5.00	5.10	5.00
Maximum	8.00	12.00	14.30	11.20	14.30	11.20	14.30	14.30
ANKLE-EXT. DIG. BREV. AMP. (MV)								
Variable Name: CGB3C								
N	902.00	1872.00	1043.00	1115.00	1043.00	2017.00	2013.00	4030.00
Nmiss	1.00	4.00	3.00	4.00	3.00	5.00	6.00	11.00
Mean	6.34	6.08	5.11	5.48	5.30	5.87	5.46	5.66
Std	2.62	2.69	3.24	2.61	2.94	2.65	3.03	2.85
Minimum	0.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25th pct	4.50	4.00	3.10	3.70	3.50	4.00	3.50	3.80
Median	6.00	5.90	5.00	5.00	5.00	5.50	5.00	5.40
75th pct	8.00	7.80	6.70	7.00	6.70	7.50	7.00	7.30
Maximum	18.00	19.50	66.00	17.00	66.00	18.00	66.00	66.00
BELOW CAP. FIB.-ANKLE TEMP. BEFORE (C)								
Variable Name: CGB3D								
N	902.00	1871.00	1044.00	1112.00	1044.00	2014.00	2013.00	4027.00
Nmiss	1.00	5.00	2.00	7.00	2.00	8.00	6.00	14.00
Mean	32.15	32.11	32.11	32.03	32.11	32.08	32.09	32.09
Std	1.46	1.66	1.50	1.59	1.50	1.54	1.66	1.60
Minimum	24.70	2.00	16.80	17.50	16.80	17.50	2.00	2.00
25th pct	31.30	31.20	31.30	31.00	31.30	31.20	31.20	31.20
Median	32.20	32.00	32.10	32.00	32.10	32.10	32.00	32.00
75th pct	33.00	33.00	33.00	33.00	33.00	33.00	33.00	33.00
Maximum	38.00	38.00	37.50	38.00	38.00	38.00	37.80	38.00

Notes:
(V=M=DOUGPROD 191: F0372 LISTING)
(V=M=ARNOLD 191: DOCUMENT SAS)

*** DISTRIBUTIONAL SUMMARY ***

Variable Attributes	Statistic	-----Primary Retinopathy-----		-----Secondary Retinopathy-----		-----Treatment Group-----		Overall
		<--Int-->	<--Cnv-->	<--Int-->	<--Cnv-->	<--Int-->	<--Cnv-->	<Overall-->
BELOW CAP. FIB.-ANKLE DIST.(MM) Variable Name: CGB3E	N Nmiss Mean Std Minimum 25th pct Median 75th pct Maximum	902.00 1.00 327.83 45.50 28.00 300.00 320.00 351.00 480.00	970.00 3.00 330.01 44.19 41.00 300.00 325.00 360.00 468.00	1872.00 4.00 328.96 44.83 28.00 300.00 324.00 355.00 480.00	1117.00 2.00 327.92 46.45 0.00 298.00 320.00 355.00 470.00	1043.00 3.00 328.48 45.91 29.00 300.00 325.00 354.00 515.00	2013.00 6.00 329.22 45.09 29.00 300.00 325.00 356.00 515.00	4032.00 9.00 328.55 45.55 300.00 323.00 355.00 515.00
BELOW CAP. FIB.-ANKLE LATE.(MSEC) Variable Name: CGB3F	N Nmiss Mean Std Minimum 25th pct Median 75th pct Maximum	901.00 2.00 11.61 1.74 5.70 10.70 11.60 12.50 20.80	969.00 4.00 12.26 1.98 5.00 11.00 12.30 13.30 32.80	1870.00 6.00 11.95 1.90 5.00 10.80 11.90 13.00 32.80	1112.00 7.00 12.12 2.03 4.20 10.90 12.00 13.10 26.00	1041.00 5.00 12.63 2.51 4.20 11.30 12.40 13.80 41.10	2010.00 9.00 12.45 2.28 4.20 11.20 12.40 13.50 41.10	4023.00 18.00 12.17 2.12 4.20 11.00 12.00 13.20 41.10
BELOW CAP. FIB.-ANKLE VELOC.(M/SEC) Variable Name: CGB3G	N Nmiss Mean Std Minimum 25th pct Median 75th pct Maximum	900.00 3.00 45.29 4.48 0.00 42.60 45.30 48.00 63.40	969.00 4.00 43.00 4.94 2.40 40.00 43.00 46.00 66.60	1869.00 7.00 44.11 4.86 0.00 41.20 44.20 47.00 66.60	1113.00 6.00 43.26 4.65 23.40 40.50 43.50 46.20 57.80	1041.00 5.00 41.32 5.33 10.60 38.20 41.70 44.60 62.00	2010.00 9.00 42.13 5.21 2.40 39.00 42.30 45.40 66.60	4023.00 18.00 43.15 5.06 0.00 40.20 43.30 46.30 66.60
BELOW CAP. FIB.-ANKLE AMP.(MV) Variable Name: CGB3H	N Nmiss Mean Std Minimum 25th pct Median 75th pct Maximum	900.00 3.00 5.91 3.95 0.70 4.00 5.60 7.30 99.90	970.00 3.00 5.28 2.69 0.00 3.50 5.00 6.90 31.00	1870.00 6.00 5.59 3.37 0.00 3.80 5.20 7.00 99.90	1115.00 4.00 4.99 2.44 0.00 3.20 5.00 6.40 20.00	1042.00 4.00 4.57 2.49 0.00 2.80 4.40 6.00 15.00	2012.00 7.00 4.92 2.61 0.00 3.00 4.80 6.40 31.00	4027.00 14.00 5.16 2.95 0.00 3.40 5.00 6.40 99.90

Notes: (VIM=DOUGPROD 191: F0372 LISTING)
 (VIM=ARNOLD 191: DOCUMENT SAS)

* * D I S T R I B U T I O N A L S U M M A R Y * *

Variable Attributes	Statistic	<-----Primary Retinopathy----->		<-----Secondary Retinopathy----->		<---Treatment Group--->		<Overall>
		<--Int-->	<--Cnv-->	<--Int-->	<--Cnv-->	<--Int-->	<--Cnv-->	
BELOW CAP. FIB.-ANKLE TEMP. AFTER (C)								
Variable Name: CGB3J								
N	901.00	967.00	1868.00	1113.00	1042.00	2155.00	2014.00	2009.00
Nmiss	2.00	6.00	8.00	6.00	4.00	10.00	8.00	10.00
Mean	32.15	32.10	32.13	32.02	32.11	32.06	32.08	32.10
Std	1.43	1.52	1.48	1.83	1.51	1.68	1.66	1.51
Minimum	24.40	24.50	24.40	4.00	16.00	4.00	4.00	16.00
25th pct	31.40	31.20	31.30	31.00	31.20	31.20	31.20	31.20
Median	32.10	32.00	32.00	32.00	32.10	32.10	32.10	32.00
75th pct	33.00	33.00	33.00	33.00	33.00	33.00	33.00	33.00
Maximum	38.00	38.00	38.00	44.00	37.50	44.00	44.00	38.00
F-WAVE-ANKLE LATE (MSEC)								
Variable Name: CGB3J								
N	837.00	889.00	1726.00	1008.00	908.00	1916.00	1845.00	1797.00
Nmiss	66.00	84.00	150.00	111.00	138.00	249.00	177.00	222.00
Mean	47.74	49.93	48.87	50.35	50.19	50.27	49.16	50.06
Std	10.54	10.95	10.80	9.39	12.88	11.18	10.01	11.96
Minimum	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25th pct	45.80	47.20	46.30	47.40	47.40	47.40	46.80	47.30
Median	48.90	51.20	50.00	51.75	51.20	51.50	50.00	51.50
75th pct	52.60	55.50	54.00	54.90	56.80	55.80	53.80	56.10
Maximum	75.00	73.60	75.00	76.50	99.90	99.90	76.50	99.90
CALF-LAT. MALL. 14 CM TEMP. BEFORE (C)								
Variable Name: CGB4A								
N	902.00	964.00	1866.00	1102.00	1027.00	2129.00	2004.00	1991.00
Nmiss	1.00	9.00	10.00	17.00	19.00	36.00	18.00	28.00
Mean	31.72	31.75	31.73	31.62	31.59	31.61	31.67	31.67
Std	1.89	1.71	1.80	1.84	1.71	1.78	1.87	1.71
Minimum	0.00	24.50	0.00	17.50	16.80	16.80	0.00	16.80
25th pct	30.90	30.70	30.80	30.60	30.50	30.50	30.70	30.60
Median	31.70	32.00	31.85	31.70	31.70	31.70	31.70	31.80
75th pct	32.80	33.00	32.90	32.70	32.70	32.70	32.70	32.80
Maximum	38.00	37.70	38.00	52.00	37.50	52.00	52.00	37.70
CALF-LAT. MALL. 14 CM DIST.(MM)								
Variable Name: CGB4B								
N	900.00	961.00	1861.00	1099.00	1018.00	2117.00	1999.00	1979.00
Nmiss	3.00	12.00	15.00	20.00	28.00	48.00	23.00	40.00
Mean	138.30	137.77	138.03	138.09	137.60	137.85	138.19	137.68
Std	14.22	13.81	14.01	13.02	16.39	14.74	13.57	15.19
Minimum	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25th pct	140.00	140.00	140.00	140.00	140.00	140.00	140.00	140.00
Median	140.00	140.00	140.00	140.00	140.00	140.00	140.00	140.00
75th pct	140.00	140.00	140.00	140.00	140.00	140.00	140.00	140.00
Maximum	190.00	190.00	190.00	190.00	190.00	190.00	190.00	190.00

Notes: (vm=DOUGPROD 191: F0372 LISTING)
(vm=ARNOLD 191: DOCUMENT SAS)

* * * D I S T R I B U T I O N A L S U M M A R Y * *

Variable Attributes	Primary Retinopathy		Secondary Retinopathy		Treatment Group		<Overall>		
	<Int>	<Cnv>	<Int>	<Cnv>	<Int>	<Cnv>			
CALF-LAT. MALL. 14 CH LATE. (MSEC) Variable Name: CGB4C	866.00	923.00	1789.00	1045.00	928.00	1973.00	1911.00	1851.00	3762.00
N	37.00	50.00	87.00	74.00	118.00	192.00	111.00	168.00	279.00
Mean	3.06	3.15	3.11	3.31	3.27	3.29	3.20	3.21	3.20
Std	0.59	0.60	0.60	1.34	0.73	1.10	1.07	0.67	0.90
Minimum	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25th pct	2.80	2.80	2.80	2.90	3.00	2.90	2.80	2.90	2.90
Median	3.00	3.20	3.10	3.20	3.30	3.30	3.10	3.20	3.20
75th pct	3.30	3.50	3.40	3.60	3.60	3.60	3.50	3.60	3.50
Maximum	6.30	5.40	6.30	37.80	6.70	37.80	37.80	6.70	37.80
CALF-LAT. MALL. 14 CH VELOC. (M/SEC) Variable Name: CGB4D	865.00	922.00	1787.00	1046.00	929.00	1975.00	1911.00	1851.00	3762.00
N	38.00	51.00	89.00	73.00	117.00	190.00	111.00	168.00	279.00
Mean	45.64	44.13	44.86	42.64	41.87	42.28	44.00	42.99	43.50
Std	8.15	7.77	7.99	7.87	8.83	8.34	8.13	8.40	8.28
Minimum	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25th pct	42.40	40.10	41.20	38.90	38.80	38.90	40.00	39.10	40.00
Median	46.30	44.00	45.20	43.60	42.40	42.40	44.40	43.70	43.80
75th pct	50.00	48.30	50.00	46.70	46.70	46.70	48.30	47.70	48.20
Maximum	77.80	71.50	77.80	66.70	77.80	77.80	77.80	77.80	77.80
CALF-LAT. MALL. 14 CH AMP. (MICROV) Variable Name: CGB4E	892.00	962.00	1854.00	1084.00	1004.00	2088.00	1976.00	1966.00	3942.00
N	11.00	11.00	22.00	35.00	42.00	77.00	46.00	53.00	99.00
Mean	14.49	13.39	13.92	11.97	10.83	11.42	13.11	12.09	12.60
Std	8.67	9.59	9.17	8.99	8.03	8.56	8.93	8.92	8.94
Minimum	-1.00	0.00	-1.00	0.00	0.00	0.00	-1.00	0.00	-1.00
25th pct	9.00	7.00	8.00	7.00	6.00	6.00	7.00	6.00	7.00
Median	13.00	12.00	12.50	10.00	10.00	10.00	11.00	10.00	11.00
75th pct	20.00	18.00	19.00	15.00	15.00	15.00	18.00	16.00	17.00
Maximum	75.00	97.00	97.00	94.00	78.00	94.00	94.00	97.00	97.00
CALF-LAT. MALL. 14 CH TEMP. AFTER (C) Variable Name: CGB4F	901.00	962.00	1863.00	1100.00	1026.00	2126.00	2001.00	1988.00	3989.00
N	2.00	11.00	13.00	19.00	20.00	39.00	21.00	31.00	52.00
Mean	31.72	31.72	31.72	31.57	31.53	31.55	31.64	31.62	31.63
Std	1.97	1.68	1.83	1.72	1.92	1.82	1.84	1.81	1.83
Minimum	0.00	0.00	0.00	16.50	2.50	2.50	0.00	2.50	0.00
25th pct	30.90	30.70	30.80	30.55	30.50	30.50	30.70	30.50	30.60
Median	31.70	31.90	31.80	31.60	31.60	31.60	31.60	31.80	31.70
75th pct	32.60	33.00	32.80	32.70	32.60	32.60	32.70	32.75	32.70
Maximum	50.00	38.00	50.00	38.00	37.50	38.00	50.00	38.00	50.00

Notes: (vfm=DOUGPROD 191: F0372 LISTING) (vfm=ARNOLD 191: DOCUMENT SAS)

* * D I S T R I B U T I O N A L S U M M A R Y * *

Variable Attributes	Statistic	<--Int-->	<--Cnv-->	<-Total-->	<--Int-->	<--Cnv-->	<-Total-->	<--Int-->	<--Cnv-->	<-Total-->	<--Int-->	<--Cnv-->	<-Total-->
PATIENT'S DOMINANT SIDE													
Variable Name: CGSIDE	N	896.00	967.00	1863.00	1108.00	1032.00	2140.00	2004.00	1999.00	4003.00			
	Mmiss	7.00	6.00	13.00	11.00	14.00	25.00	18.00	20.00	38.00			
	Value (1) %	9.38	7.14	8.21	10.74	9.88	10.33	10.13	8.55	9.34			
	Value (2) %	90.63	92.86	91.79	89.26	90.12	89.67	89.87	91.45	90.66			
FOLLOW-UP VISIT #													
Variable Name: CGVSITNO	N	903.00	973.00	1876.00	1119.00	1046.00	2165.00	2022.00	2019.00	4041.00			
	Mmiss	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
	Value (0) %	38.32	38.85	38.59	32.44	33.65	33.03	35.06	36.16	35.61			
	Value (4) %	5.54	5.45	5.49	8.67	7.55	8.13	7.27	6.54	6.90			
	Value (5) %	0.00	0.00	0.00	0.09	0.09	0.05	0.05	0.00	0.00			
	Value (8) %	6.20	5.86	6.02	8.94	8.22	8.59	7.72	7.08	7.40			
	Value (9) %	0.00	0.10	0.05	0.00	0.00	0.00	0.00	0.05	0.02			
	Value (14) %	0.33	0.31	0.32	0.00	0.00	0.00	0.15	0.15	0.15			
	Value (15) %	2.33	2.36	2.35	0.00	0.00	0.00	1.04	1.14	1.09			
	Value (16) %	3.21	1.95	2.56	0.09	0.00	0.05	1.48	0.94	1.21			
	Value (17) %	2.21	2.26	2.24	0.00	0.00	0.00	0.99	1.09	1.04			
	Value (18) %	3.77	4.01	3.89	0.09	0.19	0.14	1.73	2.03	1.88			
	Value (19) %	2.21	2.98	2.61	0.80	1.05	0.92	1.43	1.98	1.71			
	Value (20) %	23.15	22.71	22.92	30.03	30.69	30.35	26.95	26.84	26.90			
	Value (21) %	0.00	0.31	0.16	0.18	0.28	0.10	0.38	0.35	0.22			
	Value (22) %	0.00	0.51	0.27	0.27	0.29	0.28	0.15	0.40	0.27			
	Value (23) %	0.00	0.00	0.00	0.09	0.00	0.05	0.05	0.00	0.02			
	Value (24) %	0.11	0.31	0.21	0.21	0.19	0.23	0.20	0.25	0.22			
	Value (25) %	0.78	0.92	0.85	1.16	0.48	0.83	0.99	0.69	0.84			
	Value (26) %	2.44	1.03	1.71	1.34	2.58	1.94	1.83	1.83	1.83			
	Value (27) %	0.89	1.64	1.28	2.68	2.01	2.36	1.88	1.83	1.86			
	Value (28) %	0.78	0.72	0.75	1.88	1.05	1.48	1.38	0.89	1.14			
	Value (29) %	0.78	0.62	0.69	1.34	1.53	1.43	1.09	1.09	1.09			
	Value (30) %	0.78	1.23	1.01	1.16	1.63	1.39	0.99	1.44	1.21			
	Value (31) %	0.89	0.62	0.75	0.27	1.05	0.65	0.54	0.84	0.69			
	Value (32) %	0.22	0.00	0.11	0.18	0.19	0.18	0.20	0.10	0.15			
	Value (33) %	0.00	0.10	0.05	0.00	0.00	0.00	0.00	0.05	0.02			
	Value (35) %	0.00	0.10	0.05	0.09	0.00	0.05	0.05	0.05	0.05			
	Value (36) %	3.43	2.98	3.20	4.29	3.92	4.11	3.91	3.47	3.69			
	Value (37) %	1.55	1.85	1.71	3.13	2.58	2.86	2.42	2.23	2.33			
	Value (38) %	0.11	0.21	0.16	0.54	0.76	0.65	0.35	0.50	0.42			
VISIT HELD WITHIN TIME WINDOW													
Variable Name: CGWINDO	N	594.00	662.00	1256.00	794.00	715.00	1509.00	1388.00	1377.00	2765.00			
	Mmiss	309.00	311.00	620.00	325.00	331.00	656.00	634.00	642.00	1276.00			
	Value (0) %	0.17	0.00	0.08	0.00	0.00	0.00	0.07	0.00	0.04			
	Value (1) %	5.05	4.08	4.54	5.42	6.57	5.96	5.26	5.37	5.32			
	Value (2) %	94.78	95.92	95.38	94.58	93.43	94.04	94.57	94.63	94.65			

Notes: (vm=DDUGPROO 191: F0372 LISTING)
 (vm=ARNOLD 191: DOCUMENT SAS)

* * DISTRIBUTIONAL SUMMARY * *

Variable Attributes	Statistic	<-----Primary Retinopathy----->		<-----Secondary Retinopathy----->		<--Treatment Group-->		<Overall>		
		<--Int-->	<--Cnv-->	<--Int-->	<--Cnv-->	<--Int-->	<--Cnv-->			
N		903.00	973.00	1876.00	1119.00	1046.00	2165.00	2022.00	2019.00	4041.00
Mmiss		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Value (372) %		68.88	68.24	68.55	76.05	75.43	75.75	72.85	71.97	72.41
Value (373) %		31.12	31.76	31.45	23.95	24.57	24.25	27.15	28.03	27.59

DCCT FORM NUMBER
Variable Name: FORM

Notes: (vm=DOUGPROD 191: F0372 LISTING)
(vm=ARNOLD 191: DOCUMENT SAS)