APPENDIX 1

DATA SUMMARY TABLES

LISTING OF DISPLAY TABLES

Tables 1 – 7 ..... Demographics All Cases

Tables 8 – 13 ..... Demographics 24+ Cases

Tables 14 – 16 ..... Time Course of Mean Pain, Function, Total Scores All Cases

Tables 17 – 28 ..... Time Course of HHS Parameters All Cases

Tables 29 – 37 ..... Time Course of Radiographic Parameters All Cases

Metal/Metal Hip Reclassification Petition
Age Range by Device
Table 1

13:36 Wednesday, June 14, 2000

	Age (Years)				
	#	Mean	Minimum	Maximum	Standard Deviation
Device Type					
Metal Liner	403	54.7	18	78	11
Poly Liner	303	54.8	18	82	12

x:\clinical\sasusers\mas\momreclass\sasprogs\demo-all.sas

Metal/Metal Hip Reclassification Petition
Distribution of Age by Device
Table 2

13:36 Wednesday, June 14, 2000

	Age Decade (Years)																Total
	1-19		20-29		30-39		40-49		50-59		60-69		70-79		80-89		
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n
Device Type																	
Metal Liner	1	0.2	4	1.0	31	7.7	86	21.3	145	36.0	103	25.6	33	8.2	0	0	403
Poly Liner	1	0.3	2	0.7	38	12.5	60	19.8	80	26.4	83	27.4	37	12.2	2	0.7	303

x:\clinical\sasusers\mas\momreclass\sasprogs\demo-all.sas

Metal/Metal Hip Reclassification Petition
Distribution of Device by Gender
Table 3

	Gender				Total
	Female		Male		
	Count	%	Count	%	Count
Device Type					
Metal Liner	165	40.9	238	59.1	403
Poly Liner	104	34.3	199	65.7	303

Metal/Metal Hip Reclassification Petition
Height by Device
Table 4

13:36 Wednesday, June 14, 2000

	Height (Inches)				
	#	Mean	Minimum	Maximum	Standard Deviation
Device Type					
Metal Liner	396	67.6	52	82	4
Poly Liner	303	69.2	56	160	8

x:\clinical\sasusers\mas\momreclass\sasprogs\demo-all.sas

Metal/Metal Hip Reclassification Petition
Weight by Device
Table 5

	Weight (Pounds)				
	#	Mean	Minimum	Maximum	Standard Deviation
Device Type					
Metal Liner	402	189.1	53	396	43
Poly Liner	303	193.2	47	311	43

Metal/Metal Hip Reclassification Petition
Distribution of Device by Diagnosis
Table 6

	Device Type	
	Metal Liner	Poly Liner
	Count	Count
Diagnosis		
AVASCULAR NECROSIS	41	47
CRYSTALLINE ARTHROPATHY	1	
DEVELOPMENTAL HIP DYSPLASIA	14	8
DIASTROPHIC VARIANT	1	
LEGG PERTHES	4	
OSTEOARTHRITIS	313	224
OTHER	1	1
OTHER - DETAIL	4	
POST-TRAUMATIC ARTHRITIS	18	17
PROTRUSIO ACETABULUM	2	

(CONTINUED)

x:\clinical\sasusers\mas\momreclass\sasprogs\demo-all.sas

Metal/Metal Hip Reclassification Petition
Distribution of Device by Diagnosis
Table 6

	Device Type	
	Metal Liner	Poly Liner
	Count	Count
Diagnosis		
SLIPPED CAPITAL FEMORAL EPIPHYSIS	4	5
SUBCAPITAL FRACTURE		1
Total	403	303

Metal/Metal Hip Reclassification Petition
Distribution of Cases by Study and Device
Table 7

	Device Type		Total
	Metal Liner	Poly Liner	
	Count	Count	Count
Study			
A	219	206	425
B	87		87
C	97	97	194
Total	403	303	706

Metal/Metal Hip Reclassification Petition
Age Range by Device for 24+
Table 8

13:36 Wednesday, June 14, 2000

	Age (Years)				
	#	Mean	Minimum	Maximum	Standard Deviation
Device Type					
Metal Liner	123	52.6	26	77	11
Poly Liner	88	52.1	18	75	12

x:\clinical\sasusers\mas\momreclass\sasprogs\demo25.sas

Metal/Metal Hip Reclassification Petition 13:36 Wednes
Distribution of Age by Device for 24+
Table 9

	Age Decade (Years)														
	1-19		20-29		30-39		40-49		50-59		60-69		70-79		To
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	
Device Type															
Metal Liner	0	0	2	1.6	13	10.6	33	26.8	41	33.3	28	22.8	6	4.9	
Poly Liner	1	1.1	1	1.1	16	18.2	16	18.2	29	33.0	19	21.6	6	6.8	

x:\clinical\sasusers\mas\momreclass\sasprogs\demo25.sas

Metal/Metal Hip Reclassification Petition
Distribution of Device by Gender for 24+
Table 10

13:36 Wednesday, June 14, 2000

	Gender				Total
	Female		Male		
	Count	%	Count	%	Count
Device Type					
Metal Liner	48	39.0	75	61.0	123
Poly Liner	25	28.4	63	71.6	88

x:\clinical\sasusers\mas\momreclass\sasprogs\demo25.sas

Metal/Metal Hip Reclassification Petition
Height by Device for 24+
Table 11

	Height (Inches)				
	#	Mean	Minimum	Maximum	Standard Deviation
Device Type					
Metal Liner	118	67.7	52	78	4
Poly Liner	88	68.8	59	77	4

Metal/Metal Hip Reclassification Petition
Weight by Device for 24+
Table 12

	Weight (Pounds)				
	#	Mean	Minimum	Maximum	Standard Deviation
Device Type					
Metal Liner	122	191.6	53	396	42
Poly Liner	88	194.9	47	311	46

Metal/Metal Hip Reclassification Petition
Distribution of Device by Diagnosis for 24+
Table 13

	Device Type	
	Metal Liner	Poly Liner
	Count	Count
Diagnosis		
AVASCULAR NECROSIS	13	17
DEVELOPMENTAL HIP DYSPLASIA	4	3
DIASTROPHIC VARIANT	1	
LEGG PERTHES	3	
OSTEOARTHRITIS	89	61
OTHER	1	1
OTHER - DETAIL	3	
POST-TRAUMATIC ARTHRITIS	8	6
SLIPPED CAPITAL FEMORAL EPIPHYSIS	1	
Total	123	88

x:\clinical\sasusers\mas\momreclass\sasprogs\demo25.sas

Metal/Metal Hip Reclassification Petition

13:36 Wednesday, June 14, 2000

Mean Harris Hip Pain Score (44 Points Max) Over Time

Table 14

	Device Type					
	Metal Liner			Poly Liner		
	Pain Score			Pain Score		
	#	Mean	STD	#	Mean	STD
Interval						
Pre OP	390	12.9	6.7	296	14.1	7.0
6 Week	264	39.6	6.8	165	39.2	6.9
6 Mos	296	40.6	6.5	201	40.8	6.5
12 Mos	237	41.4	5.9	156	41.7	5.2
24 Mos	107	41.7	5.5	81	40.4	7.5
24+ Mos	119	42.3	4.8	85	40.5	7.2
36 Mos	31	42.6	2.9	21	42.6	3.3
48 Mos	2	44.0	0.0	2	37.0	9.9

x:\clinical\sasusers\mas\momreclass\tables\evtab.sas

Metal/Metal Hip Reclassification Petition
Mean Harris Hip Function Score (46 Points Max) Over Time
Table 15

13:36 Wednesday, June 14, 2000

	Device Type					
	Metal Liner			Poly Liner		
	Function Score			Function Score		
	#	Mean	STD	#	Mean	STD
Interval						
Pre OP	380	25.5	8.4	290	25.3	7.7
6 Week	251	28.4	8.3	160	26.2	8.6
6 Mos	291	41.0	6.3	198	41.2	6.1
12 Mos	222	42.1	5.8	154	42.6	5.5
24 Mos	101	43.2	4.9	81	42.3	5.5
24+ Mos	109	43.3	4.9	86	42.7	5.0
36 Mos	26	43.3	4.1	22	43.5	4.0
48 Mos	1	46.0		2	39.0	9.9

x:\clinical\sasusers\mas\momreclass\tables\evtab.sas

Metal/Metal Hip Reclassification Petition

13:36 Wednesday, June 14, 2000

Mean Harris Hip Total Score (100 Points Max) Over Time

Table 16

	Device Type					
	Metal Liner			Poly Liner		
	Total Score			Total Score		
	#	Mean	STD	#	Mean	STD
Interval						
Pre OP	377	45.8	12.8	289	46.8	12.8
6 Week	241	76.8	11.9	156	74.5	11.2
6 Mos	286	91.1	10.4	196	91.5	10.8
12 Mos	216	93.3	9.5	153	94.0	9.3
24 Mos	87	95.3	8.7	75	92.3	11.0
24+ Mos	90	95.9	7.9	73	92.5	10.4
36 Mos	20	95.5	6.8	16	96.4	5.0
48 Mos	0			1	72.0	

x:\clinical\sasusers\mas\momreclass\tables\evtab.sas

Metal/Metal Hip Reclassification Petition
Harris Hip Overall Rating Over Time
Table 17

Device Type: Metal Liner

	Overall Rating								Total
	0 - 69		70 - 79		80 - 89		90 - 100		
	#	Pct	#	Pct	#	Pct	#	Pct	#
Interval									
Pre OP	364	96.6	13	3.4					377
6 Week	61	25.3	69	28.6	79	32.8	32	13.3	241
6 Mos	13	4.5	26	9.1	48	16.8	199	69.6	286
12 Mos	9	4.2	14	6.5	20	9.3	173	80.1	216
24 Mos	4	4.6			10	11.5	73	83.9	87
24+ Mos	3	3.3	1	1.1	9	10.0	77	85.6	90
36 Mos			1	5.0	3	15.0	16	80.0	20

x:\clinical\sasusers\mas\momreclass\tables\evtab.sas

Metal/Metal Hip Reclassification Petition
Harris Hip Overall Rating Over Time
Table 17

Device Type: Poly Liner

	Overall Rating								Total
	0 - 69		70 - 79		80 - 89		90 - 100		
	#	Pct	#	Pct	#	Pct	#	Pct	#
Interval									
Pre OP	279	96.5	9	3.1	1	0.3			289
6 Week	50	32.1	58	37.2	30	19.2	18	11.5	156
6 Mos	11	5.6	17	8.7	26	13.3	142	72.4	196
12 Mos	5	3.3	6	3.9	16	10.5	126	82.4	153
24 Mos	6	8.0	5	6.7	7	9.3	57	76.0	75
24+ Mos	5	6.8	5	6.8	7	9.6	56	76.7	73
36 Mos					2	12.5	14	87.5	16
48 Mos			1	100.0					1

x:\clinical\sasusers\mas\momreclass\tables\evtab.sas

Metal/Metal Hip Reclassification Petition
Harris Hip Pain Rating Over Time
Table 18

13:36 Wednesday, June 14, 2000

Device Type: Metal Liner

	Pain Rating														Total
	Not Noted		None		Slight		Mild		Moderate		Marked		Totally Disabled		
	#	Pct	#	Pct	#	Pct	#	Pct	#	Pct	#	Pct	#	Pct	#
Interval															
Pre OP	2	0.5	2	0.5	1	0.2	10	2.5	122	30.3	238	59.1	28	6.9	403
6 Week	6	2.1	137	48.9	84	30.0	36	12.9	16	5.7	1	0.4			280
6 Mos	6	2.0	189	61.8	70	22.9	25	8.2	15	4.9	1	0.3			306
12 Mos	4	1.6	173	70.3	43	17.5	15	6.1	11	4.5					246
24 Mos	2	1.8	79	71.2	22	19.8	3	2.7	5	4.5					111
24+ Mos	2	1.6	94	76.4	21	17.1	2	1.6	4	3.3					123
36 Mos			23	74.2	7	22.6	1	3.2							31
48 Mos			2	100.0											2

x:\clinical\sasusers\mas\momreclass\tables\evtab.sas

Metal/Metal Hip Reclassification Petition 13:36 Wednesday, June 14, 2000

Harris Hip Pain Rating Over Time

Table 18

Device Type: Poly Liner

	Pain Rating														
	Not Noted		None		Slight		Mild		Moderate		Marked		Totally Disabled		Total
	#	Pct	#	Pct	#	Pct	#	Pct	#	Pct	#	Pct	#	Pct	#
Interval															
Pre OP			1	0.3	3	1.0	11	3.6	109	36.0	161	53.1	18	5.9	303
6 Week	1	0.5	91	49.2	51	27.6	31	16.8	11	5.9					185
6 Mos	1	0.5	140	67.0	36	17.2	21	10.0	8	3.8	3	1.4			209
12 Mos			110	70.1	36	22.9	5	3.2	6	3.8					157
24 Mos			59	71.1	12	14.5	4	4.8	8	9.6					83
24+ Mos	1	1.1	61	69.3	13	14.8	6	6.8	7	8.0					88
36 Mos	1	4.5	16	72.7	4	18.2	1	4.5							22
48 Mos			1	50.0			1	50.0							2

x:\clinical\sasusers\mas\momreclass\tables\evtab.sas

Metal/Metal Hip Reclassification Petition
Harris Hip Limp Rating Over Time
Table 19

13:36 Wednesday, June 14, 2000

Device Type: Metal Liner

	Limp Rating												Total
	Not Noted		None		Slight		Moderate		Severe		Unable to Walk		
	#	Pct	#	Pct	#	Pct	#	Pct	#	Pct	#	Pct	#
Interval													
Pre OP	6	1.5	24	6.0	75	18.6	192	47.6	103	25.6	3	0.7	403
6 Week	11	3.9	67	23.9	127	45.4	68	24.3	7	2.5			280
6 Mos	8	2.6	192	62.7	77	25.2	29	9.5					306
12 Mos	12	4.9	166	67.5	53	21.5	11	4.5	4	1.6			246
24 Mos	4	3.6	92	82.9	11	9.9	3	2.7	1	0.9			111
24+ Mos	4	3.3	102	82.9	15	12.2	1	0.8	1	0.8			123
36 Mos			25	80.6	6	19.4							31
48 Mos	1	50.0	1	50.0									2

x:\clinical\sasusers\mas\momreclass\tables\evtab.sas

Metal/Metal Hip Reclassification Petition
Harris Hip Limp Rating Over Time
Table 19

Device Type: Poly Liner

	Limp Rating												Total
	Not Noted		None		Slight		Moderate		Severe		Unable to Walk		
	#	Pct	#	Pct	#	Pct	#	Pct	#	Pct	#	Pct	#
Interval													
Pre OP			13	4.3	52	17.2	158	52.1	79	26.1	1	0.3	303
6 Week	3	1.6	36	19.5	95	51.4	45	24.3	6	3.2			185
6 Mos	3	1.4	130	62.2	61	29.2	15	7.2					209
12 Mos			123	78.3	28	17.8	6	3.8					157
24 Mos			57	68.7	20	24.1	6	7.2					83
24+ Mos			65	73.9	18	20.5	5	5.7					88
36 Mos			19	86.4	3	13.6							22
48 Mos			1	50.0			1	50.0					2

x:\clinical\sasusers\mas\momreclass\tables\evtab.sas

Metal/Metal Hip Reclassification Petition
Harris Hip Support Rating Over Time
Table 20

Device Type: Metal Liner

	Support Rating																Total
	Not Noted		None		Cane,long walks		Cane,mostly		Crutch		2 Canes		2 Crutches		Walker		
	#	Pct	#	Pct	#	Pct	#	Pct	#	Pct	#	Pct	#	Pct	#	Pct	#
Interval																	
Pre OP	17	4.2	198	49.1	53	13.2	90	22.3	13	3.2	6	1.5	22	5.5	4	1.0	403
6 Week	6	2.1	40	14.3	41	14.6	63	22.5	21	7.5	14	5.0	59	21.1	36	12.9	280
6 Mos	8	2.6	233	76.1	35	11.4	20	6.5	4	1.3	2	0.7	3	1.0	1	0.3	306
12 Mos	3	1.2	205	83.3	22	8.9	13	5.3	1	0.4			2	0.8			246
24 Mos	3	2.7	94	84.7	9	8.1	5	4.5									111
24+ Mos	5	4.1	105	85.4	8	6.5	5	4.1									123
36 Mos	1	3.2	27	87.1	3	9.7											31
48 Mos	1	50.0	1	50.0													2

x:\clinical\sasusers\mas\momreclass\tables\evtab.sas

Metal/Metal Hip Reclassification Petition
Harris Hip Support Rating Over Time
Table 20

13:36 Wednesday, June 14, 2000

Device Type: Poly Liner

	Support Rating																
	Not Noted		None		Cane,long walks		Cane,mostly		Crutch		2 Canes		2 Crutches		Walker		Total
	#	Pct	#	Pct	#	Pct	#	Pct	#	Pct	#	Pct	#	Pct	#	Pct	#
Interval																	
Pre OP	15	5.0	159	52.5	42	13.9	64	21.1	7	2.3	3	1.0	10	3.3	3	1.0	303
6 Week			32	17.3	13	7.0	39	21.1	15	8.1	1	0.5	55	29.7	30	16.2	185
6 Mos	7	3.3	174	83.3	10	4.8	10	4.8	1	0.5	1	0.5	3	1.4	3	1.4	209
12 Mos	1	0.6	143	91.1	8	5.1	4	2.5							1	0.6	157
24 Mos	1	1.2	77	92.8	4	4.8									1	1.2	83
24+ Mos			84	95.5	3	3.4									1	1.1	88
36 Mos			22	100.0													22
48 Mos			2	100.0													2

x:\clinical\sasusers\mas\momreclass\tables\evtab.sas

Metal/Metal Hip Reclassification Petition
Harris Hip Distance Walked Rating Over Time
Table 21

Device Type: Metal Liner

	Distance Walked												Total
	Not Noted		Unlimited		6 Blocks		2-3 Blocks		Indoors only		Bed & Chair		
	#	Pct	#	Pct	#	Pct	#	Pct	#	Pct	#	Pct	#
Interval													
Pre OP	2	0.5	58	14.4	98	24.3	169	41.9	76	18.9			403
6 Week	7	2.5	105	37.5	75	26.8	72	25.7	21	7.5			280
6 Mos	8	2.6	228	74.5	42	13.7	26	8.5	2	0.7			306
12 Mos	5	2.0	197	80.1	26	10.6	16	6.5	2	0.8			246
24 Mos	4	3.6	86	77.5	14	12.6	5	4.5	2	1.8			111
24+ Mos	5	4.1	96	78.0	13	10.6	7	5.7	2	1.6			123
36 Mos	1	3.2	24	77.4	4	12.9	2	6.5					31
48 Mos			2	100.0									2

x:\clinical\sasusers\mas\momreclass\tables\evtab.sas

Metal/Metal Hip Reclassification Petition
Harris Hip Distance Walked Rating Over Time
Table 21

13:36 Wednesday, June 14, 2000

Device Type: Poly Liner

	Distance Walked												
	Not Noted		Unlimited		6 Blocks		2-3 Blocks		Indoors only		Bed & Chair		Total
	#	Pct	#	Pct	#	Pct	#	Pct	#	Pct	#	Pct	#
Interval													
Pre OP			22	7.3	57	18.8	167	55.1	55	18.2	2	0.7	303
6 Week	2	1.1	49	26.5	47	25.4	71	38.4	16	8.6			185
6 Mos	6	2.9	159	76.1	23	11.0	17	8.1	4	1.9			209
12 Mos			126	80.3	13	8.3	15	9.6	3	1.9			157
24 Mos			67	80.7	7	8.4	8	9.6	1	1.2			83
24+ Mos			71	80.7	7	8.0	9	10.2	1	1.1			88
36 Mos			17	77.3	1	4.5	4	18.2					22
48 Mos			1	50.0			1	50.0					2

x:\clinical\sasusers\mas\momreclass\tables\evtab.sas

Metal/Metal Hip Reclassification Petition
Harris Hip Stair Rating Over Time
Table 22

Device Type: Metal Liner

	Stair Rating										Total
	Not Noted		Normally		Normally with rail		Any method		Unable		
	#	Pct	#	Pct	#	Pct	#	Pct	#	Pct	#
Interval											
Pre OP	3	0.7	28	6.9	155	38.5	200	49.6	17	4.2	403
6 Week	8	2.9	37	13.2	108	38.6	122	43.6	5	1.8	280
6 Mos	7	2.3	187	61.1	87	28.4	24	7.8	1	0.3	306
12 Mos	3	1.2	177	72.0	58	23.6	8	3.3			246
24 Mos	2	1.8	83	74.8	19	17.1	7	6.3			111
24+ Mos	2	1.6	96	78.0	18	14.6	7	5.7			123
36 Mos			26	83.9	5	16.1					31
48 Mos			2	100.0							2

x:\clinical\sasusers\mas\momreclass\tables\evtab.sas

Metal/Metal Hip Reclassification Petition
Harris Hip Stair Rating Over Time
Table 22

13:36 Wednesday, June 14, 2000

Device Type: Poly Liner

	Stair Rating										Total
	Not Noted		Normally		Normally with rail		Any method		Unable		
	#	Pct	#	Pct	#	Pct	#	Pct	#	Pct	#
Interval											
Pre OP			15	5.0	122	40.3	159	52.5	7	2.3	303
6 Week	2	1.1	19	10.3	56	30.3	107	57.8	1	0.5	185
6 Mos	6	2.9	118	56.5	73	34.9	12	5.7			209
12 Mos			114	72.6	36	22.9	7	4.5			157
24 Mos			60	72.3	19	22.9	3	3.6	1	1.2	83
24+ Mos			67	76.1	17	19.3	3	3.4	1	1.1	88
36 Mos			20	90.9	2	9.1					22
48 Mos			2	100.0							2

x:\clinical\sasusers\mas\momreclass\tables\evtab.sas

Metal/Metal Hip Reclassification Petition
Harris Hip Socks/Tie Shoes Rating Over Time
Table 23

13:36 Wednesday, June 14, 2000

Device Type: Metal Liner

	Socks/Tie Shoes								Total
	Not Noted		With ease		With difficulty		Unable		
	#	Pct	#	Pct	#	Pct	#	Pct	#
Interval									
Pre OP	3	0.7	62	15.4	284	70.5	54	13.4	403
6 Week	13	4.6	99	35.4	89	31.8	79	28.2	280
6 Mos	9	2.9	219	71.6	71	23.2	7	2.3	306
12 Mos	3	1.2	195	79.3	45	18.3	3	1.2	246
24 Mos	2	1.8	96	86.5	13	11.7			111
24+ Mos	4	3.3	106	86.2	13	10.6			123
36 Mos	2	6.5	24	77.4	5	16.1			31
48 Mos			2	100.0					2

x:\clinical\sasusers\mas\momreclass\tables\evtab.sas

Metal/Metal Hip Reclassification Petition
Harris Hip Socks/Tie Shoes Rating Over Time
Table 23

13:36 Wednesday, June 14, 2000

Device Type: Poly Liner

	Socks/Tie Shoes								Total
	Not Noted		With ease		With difficulty		Unable		
	#	Pct	#	Pct	#	Pct	#	Pct	#
Interval									
Pre OP	1	0.3	27	8.9	227	74.9	48	15.8	303
6 Week	6	3.2	31	16.8	76	41.1	72	38.9	185
6 Mos	6	2.9	155	74.2	41	19.6	7	3.3	209
12 Mos			127	80.9	26	16.6	4	2.5	157
24 Mos			63	75.9	20	24.1			83
24+ Mos			63	71.6	25	28.4			88
36 Mos			15	68.2	7	31.8			22
48 Mos			1	50.0	1	50.0			2

x:\clinical\sasusers\mas\momreclass\tables\evtab.sas

Metal/Metal Hip Reclassification Petition
Harris Hip Sitting Rating Over Time
Table 24

13:36 Wednesday, June 14, 2000

Device Type: Metal Liner

	Sitting								Total
	Not Noted		Comfortable 1 hour		High chair,1/2 hour		Unable		
	#	Pct	#	Pct	#	Pct	#	Pct	#
Interval									
Pre OP	4	1.0	193	47.9	157	39.0	49	12.2	403
6 Week	7	2.5	218	77.9	53	18.9	2	0.7	280
6 Mos	7	2.3	277	90.5	22	7.2			306
12 Mos	5	2.0	226	91.9	15	6.1			246
24 Mos	4	3.6	99	89.2	8	7.2			111
24+ Mos	7	5.7	109	88.6	7	5.7			123
36 Mos	2	6.5	28	90.3	1	3.2			31
48 Mos	1	50.0	1	50.0					2

x:\clinical\sasusers\mas\momreclass\tables\evtab.sas

Metal/Metal Hip Reclassification Petition
Harris Hip Sitting Rating Over Time
Table 24

13:36 Wednesday, June 14, 2000

Device Type: Poly Liner

	Sitting								Total
	Not Noted		Comfortable 1 hour		High chair,1/2 hour		Unable		
	#	Pct	#	Pct	#	Pct	#	Pct	#
Interval									
Pre OP			155	51.2	126	41.6	22	7.3	303
6 Week	3	1.6	143	77.3	37	20.0	2	1.1	185
6 Mos	6	2.9	190	90.9	13	6.2			209
12 Mos			148	94.3	9	5.7			157
24 Mos			79	95.2	4	4.8			83
24+ Mos			83	94.3	5	5.7			88
36 Mos			21	95.5	1	4.5			22
48 Mos			2	100.0					2

x:\clinical\sasusers\mas\momreclass\tables\evtab.sas

Metal/Metal Hip Reclassification Petition
Harris Hip Public Transport Rating Over Time
Table 25

13:36 Wednesday, June 14, 2000

Device Type: Metal Liner

	Public Transport						Total
	Not Noted		Able to enter		Not able to enter		
	#	Pct	#	Pct	#	Pct	#
Interval							
Pre OP	4	1.0	372	92.3	27	6.7	403
6 Week	10	3.6	268	95.7	2	0.7	280
6 Mos	9	2.9	296	96.7	1	0.3	306
12 Mos	10	4.1	235	95.5	1	0.4	246
24 Mos	4	3.6	107	96.4			111
24+ Mos	6	4.9	117	95.1			123
36 Mos	2	6.5	29	93.5			31
48 Mos			2	100.0			2

x:\clinical\sasusers\mas\momreclass\tables\evtab.sas

Metal/Metal Hip Reclassification Petition
Harris Hip Public Transport Rating Over Time
Table 25

13:36 Wednesday, June 14, 2000

Device Type: Poly Liner

	Public Transport						Total
	Not Noted		Able to enter		Not able to enter		
	#	Pct	#	Pct	#	Pct	#
Interval							
Pre OP			281	92.7	22	7.3	303
6 Week	4	2.2	178	96.2	3	1.6	185
6 Mos	7	3.3	200	95.7	2	1.0	209
12 Mos	1	0.6	156	99.4			157
24 Mos			82	98.8	1	1.2	83
24+ Mos			88	100.0			88
36 Mos			22	100.0			22
48 Mos			2	100.0			2

x:\clinical\sasusers\mas\momreclass\tables\evtab.sas

Metal/Metal Hip Reclassification Petition
Harris Hip Deformity Score Over Time
Table 26

13:36 Wednesday, June 14, 2000

Device Type: Metal Liner

	Deformity Score						Total
	Not Noted		Deformity		Absence of Deformity		
	#	Pct	#	Pct	#	Pct	#
Interval							
Pre OP	11	2.7	65	16.1	327	81.1	403
6 Week	18	6.4	10	3.6	252	90.0	280
6 Mos	7	2.3	5	1.6	294	96.1	306
12 Mos	5	2.0	2	0.8	239	97.2	246
24 Mos	5	4.5	1	0.9	105	94.6	111
24+ Mos	11	8.9	1	0.8	111	90.2	123
36 Mos	5	16.1			26	83.9	31
48 Mos	1	50.0			1	50.0	2

x:\clinical\sasusers\mas\momreclass\tables\evtab.sas

Metal/Metal Hip Reclassification Petition
Harris Hip Deformity Score Over Time
Table 26

13:36 Wednesday, June 14, 2000

Device Type: Poly Liner

	Deformity Score						Total
	Not Noted		Deformity		Absence of Deformity		
	#	Pct	#	Pct	#	Pct	#
Interval							
Pre OP	7	2.3	44	14.5	252	83.2	303
6 Week	25	13.5	6	3.2	154	83.2	185
6 Mos	10	4.8	4	1.9	195	93.3	209
12 Mos	2	1.3	1	0.6	154	98.1	157
24 Mos	8	9.6			75	90.4	83
24+ Mos	14	15.9			74	84.1	88
36 Mos	5	22.7			17	77.3	22
48 Mos	1	50.0			1	50.0	2

x:\clinical\sasusers\mas\momreclass\tables\evtab.sas

Metal/Metal Hip Reclassification Petition
Harris Hip Range of Motion Score Over Time
Table 27

Device Type: Metal Liner

	Range of Motion Score														Total
	Not Noted		1		2		3		4		5		6		
	#	Pct	#	Pct	#	Pct	#	Pct	#	Pct	#	Pct	#	Pct	#
Interval															
Pre OP	14	3.5	2	0.5	15	3.7	67	16.6	202	50.1	84	20.8	19	4.7	403
6 Week	27	9.6					4	1.4	65	23.2	119	42.5	65	23.2	280
6 Mos	15	4.9							29	9.5	93	30.4	169	55.2	306
12 Mos	14	5.7							16	6.5	52	21.1	164	66.7	246
24 Mos	19	17.1							4	3.6	18	16.2	70	63.1	111
24+ Mos	28	22.8							2	1.6	17	13.8	76	61.8	123
36 Mos	10	32.3							1	3.2	1	3.2	19	61.3	31
48 Mos	1	50.0											1	50.0	2

x:\clinical\sasusers\mas\momreclass\tables\evtab.sas

Metal/Metal Hip Reclassification Petition 13:36 Wednesday, June 14, 2000
Harris Hip Range of Motion Score Over Time
Table 27

Device Type: Poly Liner

	Range of Motion Score														
	Not Noted		1		2		3		4		5		6		Total
	#	Pct	#	Pct	#	Pct	#	Pct	#	Pct	#	Pct	#	Pct	#
Interval															
Pre OP	7	2.3	3	1.0	9	3.0	47	15.5	151	49.8	64	21.1	22	7.3	303
6 Week	22	11.9							48	25.9	82	44.3	33	17.8	185
6 Mos	8	3.8			1	0.5			15	7.2	55	26.3	130	62.2	209
12 Mos	2	1.3							10	6.4	42	26.8	103	65.6	157
24 Mos	8	9.6							1	1.2	19	22.9	55	66.3	83
24+ Mos	14	15.9							1	1.1	18	20.5	55	62.5	88
36 Mos	5	22.7									2	9.1	15	68.2	22
48 Mos	1	50.0											1	50.0	2

x:\clinical\sasusers\mas\momreclass\tables\evtab.sas

Metal/Metal Hip Reclassification Petition 13:36 Wednesday, June 14, 2000
Harris Hip Range of Motion Degrees Over Time
Table 28

	Device Type								
	Metal Liner			Poly Liner			ALL		
	Flexion			Flexion			Flexion		
	#	Mean	STD	#	Mean	STD	#	Mean	STD
Interval									
Pre OP	400	81.6	17.9	303	83.1	17.9	703	82.2	17.9
6 Week	261	94.1	13.3	168	94.2	11.3	429	94.2	12.5
6 Mos	295	101.6	13.3	207	99.4	13.4	502	100.7	13.4
12 Mos	237	104.9	14.8	157	102.6	14.4	394	104.0	14.7
24 Mos	95	104.0	14.5	77	102.3	13.3	172	103.3	13.9
24+ Mos	100	105.5	15.0	76	102.8	12.2	176	104.3	13.9
36 Mos	23	101.3	17.3	17	95.0	5.6	40	98.6	13.9
48 Mos	1	95.0		1	95.0		2	95.0	0.0

x:\clinical\sasusers\mas\momreclass\tables\evtab.sas

Metal/Metal Hip Reclassification Petition 13:36 Wednesday, June 14, 2000
Harris Hip Range of Motion Degrees Over Time
Table 28

	Device Type								
	Metal Liner			Poly Liner			ALL		
	Abduction			Abduction			Abduction		
	#	Mean	STD	#	Mean	STD	#	Mean	STD
Interval									
Pre OP	396	20.8	16.4	300	21.8	16.2	696	21.3	16.3
6 Week	259	34.2	14.7	167	34.5	15.1	426	34.3	14.9
6 Mos	295	40.2	14.7	205	40.7	14.5	500	40.4	14.6
12 Mos	237	42.4	14.5	157	41.5	14.2	394	42.1	14.4
24 Mos	95	45.8	15.5	77	44.0	15.9	172	45.0	15.7
24+ Mos	100	46.4	15.1	76	43.9	15.7	176	45.3	15.3
36 Mos	23	49.3	12.8	17	49.4	12.9	40	49.3	12.7
48 Mos	1	59.0		1	59.0		2	59.0	0.0

x:\clinical\sasusers\mas\momreclass\tables\evtab.sas

Metal/Metal Hip Reclassification Petition 13:36 Wednesday, June 14, 2000
Harris Hip Range of Motion Degrees Over Time
Table 28

	Device Type								
	Metal Liner			Poly Liner			ALL		
	Adduction			Adduction			Adduction		
	#	Mean	STD	#	Mean	STD	#	Mean	STD
Interval									
Pre OP	392	12.3	9.9	296	13.1	9.9	688	12.7	9.9
6 Week	256	19.5	8.8	163	18.5	8.5	419	19.1	8.7
6 Mos	291	23.3	9.7	202	23.5	10.7	493	23.4	10.1
12 Mos	233	26.1	10.5	155	25.0	10.3	388	25.7	10.4
24 Mos	92	27.2	11.9	75	27.0	13.0	167	27.1	12.4
24+ Mos	95	28.2	12.3	74	26.2	12.6	169	27.3	12.4
36 Mos	21	35.9	15.2	17	30.5	14.6	38	33.5	15.0
48 Mos	1	59.0		1	59.0		2	59.0	0.0

x:\clinical\sasusers\mas\momreclass\tables\evtab.sas

Metal/Metal Hip Reclassification Petition
Harris Hip Range of Motion Degrees Over Time
Table 28

13:36 Wednesday, June 14, 2000

	Device Type						ALL		
	Metal Liner			Poly Liner					
	External Rotation			External Rotation			External Rotation		
	#	Mean	STD	#	Mean	STD	#	Mean	STD
Interval									
Pre OP	399	16.6	12.6	302	18.3	12.8	701	17.3	12.7
6 Week	261	24.1	10.3	167	23.6	9.9	428	23.9	10.1
6 Mos	295	30.9	11.5	204	33.3	10.8	499	31.9	11.3
12 Mos	237	33.1	11.9	157	34.6	12.7	394	33.7	12.3
24 Mos	95	37.8	12.3	77	36.8	12.3	172	37.4	12.3
24+ Mos	100	38.3	12.0	76	36.6	12.2	176	37.6	12.1
36 Mos	23	42.1	13.3	17	38.5	14.8	40	40.6	13.9
48 Mos	1	59.0		1	59.0		2	59.0	0.0

x:\clinical\sasusers\mas\momreclass\tables\evtab.sas

Metal/Metal Hip Reclassification Petition
Harris Hip Range of Motion Degrees Over Time
Table 28

13:36 Wednesday, June 14, 2000

	Device Type								
	Metal Liner			Poly Liner			ALL		
	Internal Rotation			Internal Rotation			Internal Rotation		
	#	Mean	STD	#	Mean	STD	#	Mean	STD
Interval									
Pre OP	396	3.8	12.5	302	4.4	13.3	698	4.0	12.8
6 Week	260	14.5	8.9	169	13.6	10.4	429	14.1	9.6
6 Mos	293	19.6	11.4	205	21.3	12.7	498	20.3	12.0
12 Mos	232	23.1	13.5	155	23.2	14.1	387	23.2	13.7
24 Mos	92	27.1	14.4	75	26.4	13.0	167	26.7	13.8
24+ Mos	96	28.0	14.2	74	27.0	13.9	170	27.5	14.1
36 Mos	22	33.8	16.0	17	32.6	15.8	39	33.3	15.7
48 Mos	1	59.0		1	59.0		2	59.0	0.0

x:\clinical\sasusers\mas\momreclass\tables\evtab.sas

Metal/Metal Hip Reclassification Petition
Radiographic Evaluation of the Femoral Stem
Table 29

13:37 Wednesday, June 14, 2000

Device Type: Metal Liner

	Femoral Stem Subsidence						Total
	Not Noted		No		Yes		
	#	Pct	#	Pct	#	Pct	#
Interval							
6 Week	120	33.1	242	66.7	1	0.3	363
6 Mos	1	0.3	281	97.9	5	1.7	287
12 Mos	3	1.3	233	97.5	3	1.3	239
24 Mos			99	97.1	3	2.9	102
24+ Mos			110	98.2	2	1.8	112
36 Mos			24	96.0	1	4.0	25
48 Mos			1	100.0			1

x:\clinical\sasusers\mas\momreclass\tables\xrtab.sas

Metal/Metal Hip Reclassification Petition
Radiographic Evaluation of the Femoral Stem
Table 29

Device Type: Poly Liner

	Femoral Stem Subsidence						Total
	Not Noted		No		Yes		
	#	Pct	#	Pct	#	Pct	#
Interval							
6 Week	93	33.5	185	66.5			278
6 Mos	2	1.0	203	98.1	2	1.0	207
12 Mos	1	0.6	155	98.1	2	1.3	158
24 Mos			78	98.7	1	1.3	79
24+ Mos	2	2.4	78	95.1	2	2.4	82
36 Mos	2	12.5	13	81.3	1	6.3	16
48 Mos			1	100.0			1

x:\clinical\sasusers\mas\momreclass\tables\xrtab.sas

Metal/Metal Hip Reclassification Petition
Radiographic Evaluation of the Femoral Stem
Table 30

Device Type: Metal Liner

	Femoral Radiolucency (AP View)						Total
	Not Noted		No		Yes		
	#	Pct	#	Pct	#	Pct	#
Interval							
6 Week	33	9.1	323	89.0	7	1.9	363
6 Mos	2	0.7	278	96.9	7	2.4	287
12 Mos	3	1.3	226	94.6	10	4.2	239
24 Mos	2	2.0	92	90.2	8	7.8	102
24+ Mos	2	1.8	103	92.0	7	6.3	112
36 Mos			23	92.0	2	8.0	25
48 Mos			1	100.0			1

x:\clinical\sasusers\mas\momreclass\tables\xrtab.sas

Metal/Metal Hip Reclassification Petition
Radiographic Evaluation of the Femoral Stem
Table 30

Device Type: Poly Liner

	Femoral Radiolucency (AP View)						Total
	Not Noted		No		Yes		
	#	Pct	#	Pct	#	Pct	#
Interval							
6 Week	1	0.4	270	97.1	7	2.5	278
6 Mos	1	0.5	200	96.6	6	2.9	207
12 Mos			148	93.7	10	6.3	158
24 Mos			69	87.3	10	12.7	79
24+ Mos	1	1.2	71	86.6	10	12.2	82
36 Mos	1	6.3	10	62.5	5	31.3	16
48 Mos			1	100.0			1

x:\clinical\sasusers\mas\momreclass\tables\xrtab.sas

Metal/Metal Hip Reclassification Petition
Radiographic Evaluation of the Femoral Stem
Table 31

Device Type: Metal Liner

	Femoral Radiolucency (Lateral View)						Total
	Not Noted		No		Yes		
	#	Pct	#	Pct	#	Pct	#
Interval							
6 Week	75	20.7	287	79.1	1	0.3	363
6 Mos	59	20.6	227	79.1	1	0.3	287
12 Mos	63	26.4	172	72.0	4	1.7	239
24 Mos	32	31.4	66	64.7	4	3.9	102
24+ Mos	39	34.8	70	62.5	3	2.7	112
36 Mos	10	40.0	14	56.0	1	4.0	25
48 Mos			1	100.0			1

Metal/Metal Hip Reclassification Petition
Radiographic Evaluation of the Femoral Stem
Table 31

Device Type: Poly Liner

	Femoral Radiolucency (Lateral View)						Total
	Not Noted		No		Yes		
	#	Pct	#	Pct	#	Pct	#
Interval							
6 Week	2	0.7	275	98.9	1	0.4	278
6 Mos	2	1.0	204	98.6	1	0.5	207
12 Mos	1	0.6	152	96.2	5	3.2	158
24 Mos	1	1.3	74	93.7	4	5.1	79
24+ Mos	3	3.7	77	93.9	2	2.4	82
36 Mos	3	18.8	11	68.8	2	12.5	16
48 Mos			1	100.0			1

x:\clinical\sasusers\mas\momreclass\tables\xrtab.sas

Metal/Metal Hip Reclassification Petition
Radiographic Evaluation of the Femoral Stem
Table 32

Device Type: Metal Liner

	Resorption of Shaft (AP View)						
	Not Noted		No		Yes		Total
	#	Pct	#	Pct	#	Pct	#
Interval							
6 Week	119	32.8	243	66.9	1	0.3	363
6 Mos			284	99.0	3	1.0	287
12 Mos	3	1.3	235	98.3	1	0.4	239
24 Mos	1	1.0	97	95.1	4	3.9	102
24+ Mos	1	0.9	108	96.4	3	2.7	112
36 Mos			25	100.0			25
48 Mos			1	100.0			1

x:\clinical\sasusers\mas\momreclass\tables\xrtab.sas

Metal/Metal Hip Reclassification Petition
Radiographic Evaluation of the Femoral Stem
Table 32

13:37 Wednesday, June 14, 2000

Device Type: Poly Liner

	Resorption of Shaft (AP View)						Total
	Not Noted		No		Yes		
	#	Pct	#	Pct	#	Pct	#
Interval							
6 Week	96	34.5	182	65.5			278
6 Mos	1	0.5	205	99.0	1	0.5	207
12 Mos			158	100.0			158
24 Mos			79	100.0			79
24+ Mos	1	1.2	81	98.8			82
36 Mos	1	6.3	15	93.8			16
48 Mos			1	100.0			1

x:\clinical\sasusers\mas\momreclass\tables\xrtab.sas

Metal/Metal Hip Reclassification Petition
Radiographic Evaluation of the Femoral Stem
Table 33

13:37 Wednesday, June 14, 2000

Device Type: Metal Liner

	Resorption of Shaft (Lateral View)						Total
	Not Noted		No		Yes		
	#	Pct	#	Pct	#	Pct	#
Interval							
6 Week	168	46.3	194	53.4	1	0.3	363
6 Mos	59	20.6	227	79.1	1	0.3	287
12 Mos	64	26.8	175	73.2			239
24 Mos	32	31.4	69	67.6	1	1.0	102
24+ Mos	39	34.8	73	65.2			112
36 Mos	10	40.0	15	60.0			25
48 Mos			1	100.0			1

x:\clinical\sasusers\mas\momreclass\tables\xrtab.sas

Metal/Metal Hip Reclassification Petition
Radiographic Evaluation of the Femoral Stem
Table 33

Device Type: Poly Liner

	Resorption of Shaft (Lateral View)						Total
	Not Noted		No		Yes		
	#	Pct	#	Pct	#	Pct	#
Interval							
6 Week	96	34.5	182	65.5			278
6 Mos	2	1.0	204	98.6	1	0.5	207
12 Mos			158	100.0			158
24 Mos	1	1.3	78	98.7			79
24+ Mos	3	3.7	79	96.3			82
36 Mos	3	18.8	13	81.3			16
48 Mos			1	100.0			1

x:\clinical\sasusers\mas\momreclass\tables\xrtab.sas

Metal/Metal Hip Reclassification Petition
Radiographic Evaluation of the Femoral Stem
Table 34

Device Type: Metal Liner

	Hypertrophy of Shaft (AP View)						Total
	Not Noted		No		Yes		
	#	Pct	#	Pct	#	Pct	#
Interval							
6 Week	120	33.1	242	66.7	1	0.3	363
6 Mos			280	97.6	7	2.4	287
12 Mos	3	1.3	225	94.1	11	4.6	239
24 Mos	1	1.0	96	94.1	5	4.9	102
24+ Mos	1	0.9	104	92.9	7	6.3	112
36 Mos			23	92.0	2	8.0	25
48 Mos					1	100.0	1

x:\clinical\sasusers\mas\momreclass\tables\xrtab.sas

Metal/Metal Hip Reclassification Petition
Radiographic Evaluation of the Femoral Stem
Table 34

Device Type: Poly Liner

	Hypertrophy of Shaft (AP View)						Total
	Not Noted		No		Yes		
	#	Pct	#	Pct	#	Pct	#
Interval							
6 Week	96	34.5	182	65.5			278
6 Mos	1	0.5	203	98.1	3	1.4	207
12 Mos	1	0.6	150	94.9	7	4.4	158
24 Mos			75	94.9	4	5.1	79
24+ Mos	1	1.2	78	95.1	3	3.7	82
36 Mos	1	6.3	14	87.5	1	6.3	16
48 Mos			1	100.0			1

Metal/Metal Hip Reclassification Petition
Radiographic Evaluation of the Femoral Stem
Table 35

Device Type: Metal Liner

	Hypertrophy of Shaft (Lateral View)						Total
	Not Noted		No		Yes		
	#	Pct	#	Pct	#	Pct	#
Interval							
6 Week	169	46.6	194	53.4			363
6 Mos	59	20.6	226	78.7	2	0.7	287
12 Mos	64	26.8	173	72.4	2	0.8	239
24 Mos	31	30.4	70	68.6	1	1.0	102
24+ Mos	38	33.9	72	64.3	2	1.8	112
36 Mos	10	40.0	14	56.0	1	4.0	25
48 Mos			1	100.0			1

x:\clinical\sasusers\mas\momreclass\tables\xrtab.sas

Metal/Metal Hip Reclassification Petition
Radiographic Evaluation of the Femoral Stem
Table 35

Device Type: Poly Liner

	Hypertrophy of Shaft (Lateral View)						Total
	Not Noted		No		Yes		
	#	Pct	#	Pct	#	Pct	#
Interval							
6 Week	96	34.5	182	65.5			278
6 Mos	2	1.0	204	98.6	1	0.5	207
12 Mos	1	0.6	156	98.7	1	0.6	158
24 Mos	1	1.3	78	98.7			79
24+ Mos	3	3.7	79	96.3			82
36 Mos	3	18.8	12	75.0	1	6.3	16
48 Mos			1	100.0			1

x:\clinical\sasusers\mas\momreclass\tables\xrtab.sas

Metal/Metal Hip Reclassification Petition
Radiographic Evaluation of the Femoral Stem
Table 36

Device Type: Metal Liner

	Endosteal Cavitation - Lysis (AP View)						Total
	Not Noted		No		Yes		
	#	Pct	#	Pct	#	Pct	#
Interval							
6 Week	121	33.3	242	66.7			363
6 Mos			285	99.3	2	0.7	287
12 Mos	1	0.4	236	98.7	2	0.8	239
24 Mos			100	98.0	2	2.0	102
24+ Mos			110	98.2	2	1.8	112
36 Mos			25	100.0			25
48 Mos					1	100.0	1

x:\clinical\sasusers\mas\momreclass\tables\xrtab.sas

Metal/Metal Hip Reclassification Petition
Radiographic Evaluation of the Femoral Stem
Table 36

Device Type: Poly Liner

	Endosteal Cavitation - Lysis (AP View)						Total
	Not Noted		No		Yes		
	#	Pct	#	Pct	#	Pct	#
Interval							
6 Week	96	34.5	182	65.5			278
6 Mos	1	0.5	205	99.0	1	0.5	207
12 Mos			157	99.4	1	0.6	158
24 Mos			78	98.7	1	1.3	79
24+ Mos			79	96.3	3	3.7	82
36 Mos			14	87.5	2	12.5	16
48 Mos			1	100.0			1

x:\clinical\sasusers\mas\momreclass\tables\xrtab.sas

Metal/Metal Hip Reclassification Petition
Radiographic Evaluation of the Acetabular Cup
Table 37

Device Type: Metal Liner

	Acetabular Radiolucency (AP View)						Total
	Not Noted		No		Yes		
	#	Pct	#	Pct	#	Pct	#
Interval							
6 Week	13	3.6	331	91.2	19	5.2	363
6 Mos			277	96.5	10	3.5	287
12 Mos	3	1.3	222	92.9	14	5.9	239
24 Mos			89	87.3	13	12.7	102
24+ Mos	1	0.9	97	86.6	14	12.5	112
36 Mos	1	4.0	18	72.0	6	24.0	25
48 Mos			1	100.0			1

x:\clinical\sasusers\mas\momreclass\tables\xrtab.sas

Metal/Metal Hip Reclassification Petition
Radiographic Evaluation of the Acetabular Cup
Table 37

Device Type: Poly Liner

	Acetabular Radiolucency (AP View)						Total
	Not Noted		No		Yes		
	#	Pct	#	Pct	#	Pct	#
Interval							
6 Week	3	1.1	252	90.6	23	8.3	278
6 Mos	3	1.4	196	94.7	8	3.9	207
12 Mos	1	0.6	145	91.8	12	7.6	158
24 Mos			71	89.9	8	10.1	79
24+ Mos			76	92.7	6	7.3	82
36 Mos			15	93.8	1	6.3	16
48 Mos			1	100.0			1

x:\clinical\sasusers\mas\momreclass\tables\xrtab.sas