ARIC Data Book

Cohort, Exam 3

Retinal Examination Light Box

<u>Instructions:</u> Retinal Image Processing Dataset

ID		Aric Subject ID (Cir)
N	Value	Description
12642	Present	Text suppressed

	RLBA0	St= Normal Reading, Q1=qc
N	Value	Description
12642	ST	Normal Reading

	RLBA1	Eye (L,R)
N	Value	Description
6323	L	Left
6319	R	Right

RLBA10		Arterial: Focal Narrowing Within Disc Margin
N	Value	Description
10611	0	No focal narrowing
431	1	Questionable focal narrowing
340	2	Definite focal narrowing in one or two substantial arterioles (definite).
15	3	Definite focal narrowing in three or more substantial arterioles (severe).
1245	8	Cannot grade.

RLBA11		Arterial: Focal Narrowing In Zone A
N	Value	Description
9975	0	No focal narrowing
720	1	Questionable focal narrowing
456	2	Definite focal narrowing in one or two substantial arterioles (definite).
30	3	Definite focal narrowing in three or more substantial arterioles (severe).
1461	8	Cannot grade.

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R	LBA12A	Arterial: Focal Narrowing, Quadrant Superior Temporal
N	Value	Description
10647	0	No focal narrowing
435	1	Questionable focal narrowing
358	2	Definite focal narrowing, combined length <1/2 DD (mild).
26	3	Definite focal narrowing, combined length >1/2 DD, but < 2 DD (moderate).
1	4	Definite focal narrowing, combined length = 2 DD (severe).
1175	8	Cannot grade.

R	LBA12B	Arterial: Focal Narrowing, Quadrant Superior Nasal
N	Value	Description
10414	0	No focal narrowing
306	1	Questionable focal narrowing
212	2	Definite focal narrowing, combined length <1/2 DD (mild).
12	3	Definite focal narrowing, combined length >1/2 DD, but < 2 DD (moderate).
1698	8	Cannot grade.

RLBA12C		Arterial: Focal Narrowing, Quadrant Inferior Nasal
N	Value	Description
10470	0	No focal narrowing
205	1	Questionable focal narrowing
146	2	Definite focal narrowing, combined length <1/2 DD (mild).
9	3	Definite focal narrowing, combined length >1/2 DD, but < 2 DD (moderate).
1812	8	Cannot grade.

R	LBA12D	Arterial: Focal Narrowing, Quadrant Inferior Temporal
N	Value	Description
10516	0	No focal narrowing
375	1	Questionable focal narrowing
303	2	Definite focal narrowing, combined length <1/2 DD (mild).
19	3	Definite focal narrowing, combined length >1/2 DD, but < 2 DD (moderate).
1429	8	Cannot grade.

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RLBA13A		Arterial: Sheathing, Quadrant Superior Temporal
N	Value	Description
12118	0	No arteriolar sheathing.
3	1	Questionable arteriolar sheathing.
8	2	Definite arteriolar sheathing, combined length <1/2 DD (mild).
5	3	Definite arteriolar sheathing, combined length = 1/2 DD, but < 2 DD (moderate).
508	8	Cannot grade.

RLBA13B		Arterial: Sheathing, Quadrant Superior Nasal
N	Value	Description
11877	0	No arteriolar sheathing.
7	1	Questionable arteriolar sheathing.
4	2	Definite arteriolar sheathing, combined length <1/2 DD (mild).
6	3	Definite arteriolar sheathing, combined length = 1/2 DD, but < 2 DD (moderate).
2	4	Definite arteriolar sheathing, combined length = 2 DD (severe).
746	8	Cannot grade.

R	LBA13C	Arterial: Sheathing, Quadrant Inferior Nasal
N	Value	Description
11806	0	No arteriolar sheathing.
3	1	Questionable arteriolar sheathing.
5	2	Definite arteriolar sheathing, combined length <1/2 DD (mild).
4	3	Definite arteriolar sheathing, combined length = 1/2 DD, but < 2 DD (moderate).
2	4	Definite arteriolar sheathing, combined length = 2 DD (severe).
822	8	Cannot grade.

RLBA13D		Arterial: Sheathing, Quadrant Inferior Temporal
N	Value	Description
11975	0	No arteriolar sheathing.
4	1	Questionable arteriolar sheathing.
5	2	Definite arteriolar sheathing, combined length <1/2 DD (mild).
3	3	Definite arteriolar sheathing, combined length = 1/2 DD, but < 2 DD (moderate).
3	4	Definite arteriolar sheathing, combined length = 2 DD (severe).
652	8	Cannot grade.

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RLBA14		Generalized Narrowing
N	Value	Description
11513	0	No generalized narrowing.
344	1	Questionable generalized narrowing.
53	2	Definite generalized narrowing.
7	3	Severe generalized narrowing, threads throughout.
725	8	Cannot grade.

RLBA15A		A/V Nicking, Quadrant Superior Temporal
N	Value	Description
10548	0	No A/V nicking.
661	1	Questionable A/V nicking.
446	2	Definite A/V nicking, < ETDRS Std. Photo. #9 (definite).
15	3	Definite A/V nicking, = ETDRS Std. Photo. #9 (severe).
972	8	Cannot grade.

RLBA15B		A/V Nicking, Quadrant Superior Nasal
N	Value	Description
11224	0	No A/V nicking.
129	1	Questionable A/V nicking.
43	2	Definite A/V nicking, < ETDRS Std. Photo. #9 (definite).
1246	8	Cannot grade.

RLBA15C		A/V Nicking, Quadrant Inferior Nasal
N	Value	Description
11242	0	No A/V nicking.
69	1	Questionable A/V nicking.
29	2	Definite A/V nicking, < ETDRS Std. Photo. #9 (definite).
1302	8	Cannot grade.

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RLBA15D		A/V Nicking, Quadrant Inferior Temporal
N	Value	Description
10748	0	No A/V nicking.
461	1	Questionable A/V nicking.
239	2	Definite A/V nicking, < ETDRS Std. Photo. #9 (definite).
6	3	Definite A/V nicking, = ETDRS Std. Photo. #9 (severe).
1188	8	Cannot grade.

F	RLBA16	Number Of Microaneurysms
N	Value	Description
10453	0	No microaneurysms.
103	1	Questionable microaneurysm.
203	2	One microaneurysm.
67	3	Two microaneurysms.
37	4	Three microaneurysms.
17	5	Four microaneurysms.
164	6	Five or more microaneurysms.
1598	8	Cannot grade.

RLBA17		Number Of Retinal Hemorrhages
N	Value	Description
11229	0	No retinal hemorrhage.
67	1	Questionable retinal hemorrhage.
177	2	One retinal hemorrhage.
210	3	Two or more retinal hemorrhages.
959	8	Cannot grade.

F	RLBA18	Type Of Retinal Hemorrhage
N	Value	Description
11229	0	No retinal hemorrhage.
67	1	Questionable retinal hemorrhage (retinal hemorrhage questionably present).
64	2	Definite retinal hemorrhage (s), flame-shaped only.
238	3	Definite hemorrhage (s), blot only.
85	4	Definite hemorrhages, blot and flame-shaped.
959	8	Cannot grade.

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RLBA19		Hemorrhages/Microaneurysms
N	Value	Description
10274	0	No hemorrhages or microaneurysms.
146	1	Questionable microaneurysm and/or retinal hemorrhage.
609	2	Definite microaneurysms and/or retinal hemorrhages, but the amount is < ETDRS Std. Photo. #1 or = ETDRS Std. Photo. #1 in only one to three quadrants.
23	3	Definite, = ETDRS Std. Photo. #1 in all four quadrants.
13	4	Definite, = ETDRS Std. Photo. #2A in an area approximating an ETDRS field.
1	6	Definite, = ETDRS Std. Photo. #2A in all four quadrants.
1576	8	Cannot grade.

RLBA2		Grader
N	Value	Description
12642	Present	Text suppressed

RLBA20		Hard Exudate
N	Value	Description
11520	0	No hard exudate.
39	1	Questionable hard exudate.
131	2	Definite hard exudate.
952	8	Cannot grade.

RLBA21		Macula Edema
N	Value	Description
11480	0	No macular edema.
27	1	Questionable macular edema.
3	2	Macular edema present but less than clinically significant, inferred from hard exudates and/or other appearances.
7	3	Clinically significant macular edema present, but center is not definitely involved, inferred from hard exudates and/or other appearances.
3	4	Clinically significant macular edema with center definitely involved, inferred from hard exudates and/or other appearances.
1122	8	Cannot grade.

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RLBA22		Soft Exudate
N	Value	Description
11789	0	No soft exudate.
52	1	Questionable soft exudate.
159	2	Definite soft exudate.
642	8	Cannot grade.

RLBA23		Intraretinal microvascular abnormalities (IRMA)
N	Value	Description
11827	0	No IRMA.
20	1	Questionable IRMA.
47	2	Definite IRMA, < ETDRS Std. Photo. #8A, in one to three quadrants.
748	8	Cannot grade.

RLBA24		Venous Beading
N	Value	Description
12030	0	No venous beading.
4	1	Questionable venous beading.
2	2	Definite venous beading in one quadrant only.
606	8	Cannot grade.

RLBA25		New Vessels on the Disc (NVD)
N	Value	Description
12320	0	No NVD.
8	1	Questionable NVD.
5	2	Definite NVD, < ETDRS Std. Photo. #10A.
309	8	Cannot grade.

RLBA26		New Vessels Elsewhere (NVE)
N	Value	Description
12313	0	No new vessels elsewhere.
4	1	Questionable new vessels elsewhere.
4	2	Definite new vessels elsewhere, < 1/2 DA.
3	3	Definite new vessels elsewhere, = 1/2 DA.
318	8	Cannot grade.

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RLBA27		Vitreous and/or Preretinal Hemorrhage (VH/PRH)
N	Value	Description
12393	0	No vitreous and/or preretinal hemorrhage.
2	1	Questionable vitreous and/or preretinal hemorrhage.
4	2	Definite vitreous and/or preretinal hemorrhage, totaling < 1 DA.
2	3	Definite vitreous and/or preretinal hemorrhage, totaling more than 1 DA.
241	8	Cannot grade.

RLBA28		Fibrous Proliferation (FP)
N	Value	Description
12350	0	No fibrous proliferation.
6	1	Questionable fibrous proliferation.
7	2	Definite fibrous proliferation.
279	8	Cannot grade.

RLBA29		Papillary Swelling
N	Value	Description
12287	0	No papillary swelling
46	1	Questionable papillary swelling.
16	2	Definite papillary swelling.
293	8	Cannot grade.

RLBA3		Date Graded
N	Value	Description
12642	Range	04/12/1993 - 03/22/1996

RLBA30		Laser Photocoagulation
N	Value	Description
12179	0	No photocoagulation treatment.
13	1	Questionable photocoagulation treatment.
15	2	Definite photocoagulation treatment, focal only.
34	3	Definite photocoagulation treatment, scatter and/or local only.
12	4	Definite photocoagulation treatment, focal and scatter and/or local.
389	8	Cannot grade.

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F	RLBA31	Diabetic Retinal Level
N	Value	Description
12641	Range	10 - 90 (median=10 mean=21.2 std=26.9)
1		Missing

RLBA31A		Diabetic Retinopathy Level: Support Evidence: A
N	Value	Description
12641	Range	101 - 903 (median=101 mean=212.8 std=269.0)
1		Missing

R	LBA31B	Diabetic Retinopathy Level: Support Evidence: B
N	Value	Description
1	101	Microaneurysms and other lesions absent.
11	352	Questionable soft exudate, IRMA or hard exudate.
38	353	Retinal hemorrhage.
37	354	Hard exudate.
1	612	NVE < 1/2 DA
2	652	NVE = 1/2 DA
1	901	Cannot grade for microaneurysms; no other background retinopathy is present.
12551		Missing

RLBA31C		Diabetic Retinopathy Level: Support Evidence: C
N	Value	Description
7	352	Questionable soft exudate, IRMA or hard exudate.
33	353	Retinal hemorrhage.
12602		Missing

RLBA31D		Diabetic Retinopathy Level: Support Evidence: D
N	Value	Description
2	352	Questionable soft exudate, IRMA or hard exudate.
12640		Missing

RLBA31E		Diabetic Retinopathy Level: Support Evidence: E
N	Value	Description
12642		Missing

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RLBA32		Central Artery Occlusion
N	Value	Description
12642	0	Not seen.

RLBA33		Branch Artery Occlusion
N	Value	Description
12639	0	Not seen.
1	1	Questionably present.
2	2	Definitely present.

RLBA34		Central Vein Occlusion
N	Value	Description
12638	0	Not seen.
3	1	Questionably present.
1	2	Definitely present.

RLBA35		Branch Vein Occlusion
N	Value	Description
12623	0	Not seen.
12	1	Questionably present.
7	2	Definitely present.

RLBA36		Hollenhorst Plaque
N	Value	Description
12617	0	Not seen.
14	1	Questionably present.
11	2	Definitely present.

RLBA37		Asteroid Hyalosis
N	Value	Description
12582	0	Not seen.
15	1	Questionably present.
45	2	Definitely present.

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RLBA38		Large Cup/Disc Ratio
N	Value	Description
12003	0	Not seen.
465	1	Questionably present.
174	2	Definitely present.

F	RLBA39	Retinal Hemorrhage On The Disc Or Crossing The Disc Margin
N	Value	Description
12624	0	Not seen.
2	1	Questionably present.
16	2	Definitely present.

RLBA4		Focus And Clarity
N	Value	Description
4770	1	Good
5271	2	Fair
1732	3	Borderline
747	4	Inadequate
122	8	Cannot grade

F	RLBA40	Peripalliary Atrophy
N	Value	Description
12429	0	Not seen.
54	1	Questionably present.
159	2	Definitely present.

RLBA41		Other Disc Abnormality
N	Value	Description
12541	0	Not seen.
46	1	Questionably present.
55	2	Definitely present.

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F	RLBA42	Glial/Vitreous Thickening
N	Value	Description
12165	0	Not seen.
140	1	Questionably present.
337	2	Definitely present.

RLBA43		Medullated Nerve Fibers
N	Value	Description
12598	0	Not seen.
5	1	Questionably present.
39	2	Definitely present.

RLBA44		Cellophane Reflex
N	Value	Description
12194	0	Not seen.
87	1	Questionably present.
361	2	Definitely present.

RLBA45		Surface Wrinkling Retinopathy
N	Value	Description
12496	0	Not seen.
25	1	Questionably present.
121	2	Definitely present.

RLBA46		Soft Drusen Within 2 Dd Of Macular Center
N	Value	Description
11927	0	Not seen.
203	1	Questionably present.
512	2	Definitely present.

RLBA47		RPE Depigmentation
N	Value	Description
12412	0	Not seen.
96	1	Questionably present.
134	2	Definitely present.

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F	RLBA48	Hyperpigmentation
N	Value	Description
12299	0	Not seen.
77	1	Questionably present.
266	2	Definitely present.

RLBA49		SSR Detachment
N	Value	Description
12636	0	Not seen.
3	1	Questionably present.
3	2	Definitely present.

RLBA5		Field Definition
N	Value	Description
12165	1	Good
304	2	Fair
81	3	Borderline
92	8	Cannot grade.

RLBA50		Subretinal Hemorrhage
N	Value	Description
12639	0	Not seen.
2	1	Questionably present.
1	2	Definitely present.

RLBA51		Subretinal Fibrosis
N	Value	Description
12633	0	Not seen.
1	1	Questionably present.
8	2	Definitely present.

RLBA52		Geographic Atrophy
N	Value	Description
12630	0	Not seen.
4	1	Questionably present.
8	2	Definitely present.

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RLBA53		Chorioretinal Scar
N	Value	Description
12532	0	Not seen.
16	1	Questionably present.
94	2	Definitely present.

RLBA54		Nevus
N	Value	Description
12374	0	Not seen.
59	1	Questionably present.
209	2	Definitely present.

RLBA55		Retinal Detachment
N	Value	Description
12639	0	Not seen.
1	1	Questionably present.
2	2	Definitely present.

RLBA56		Other Ocular Lesions
N	Value	Description
11798	0	Not seen.
178	1	Questionably present.
666	2	Definitely present.

RLBA57A		Retinal Notification Sent
N	Value	Description
10104	0	No retinal notification sent.
29	1	Retinal alert notification sent.
991	2	Routine retinal notification sent.
1518	8	Cannot grade for notification conditions.

RLBA57B		Date Of Phone Alert
N	Value	Description
1020	Range	03/07/1993 - 03/01/1996
11622		Missing

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RLBA57C		Date Of Notification
N	Value	Description
1	Range	11/22/1993 - 11/22/1993
12641		Missing

RLBA58		Date Of Data Entry
N	Value	Description
12642	Range	04/12/1993 - 03/22/1996

F	RLBA59	Method Of Data Collection
N	Value	Description
12642	С	Computer

RLBA60		Code Number Of Data Entry Person
N	Value	Description
12642	Present	Text suppressed

F	RLBA6A	Artifacts: Haze
N	Value	Description
7259	0	No - absent.
5383	2	Yes - present.

F	RLBA6B	Artifacts: Dust/Dirt
N	Value	Description
9258	0	No - absent.
3384	2	Yes - present.

F	RLBA6C	Artifacts: Lashes
N	Value	Description
11858	0	No - absent.
784	2	Yes - present.

RLBA6D		Artifacts: Arc
N	Value	Description
12259	0	No - absent.
383	2	Yes - present.

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F	RLBA6E	Artifacts: Uneven Illum/Macula
N	Value	Description
9681	0	No - absent.
2961	2	Yes - present.

RLBA6F		Artifacts: Uneven Illum/Edge
N	Value	Description
12089	0	No - absent.
553	2	Yes - present.

F	RLBA6G	Artifacts: Uneven Illum/Disc Zone
N	Value	Description
12595	0	No - absent.
47	2	Yes - present.

F	RLBA6H	Artifacts: Total Blink
N	Value	Description
12570	0	No - absent.
72	2	Yes - present.

RLBA6I		Artifacts: Others
N	Value	Description
12129	0	No - absent.
513	2	Yes - present.

RLBA7		Gradeability
N	Value	Description
9170	1	Entire field gradable
2395	2	Disc zone gradable, macula ungradeable
1077	3	Macula gradable, disc zone ungradeable

RLBA8		Disc Obscured Or Missing
N	Value	Description
12433	0	No - disc is visible
209	2	Yes - disc is either obscured or missing

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RLBA9		Macula Obscured Or Missing
N	Value	Description
11384	0	No - macular area is visible.
1258	2	Yes - macular area is either obscured or missing.

RLBACY		Contact Year
N	Value	Description
12642	7	

RLBAFLAG		Indicator For Presence Of Form
N	Value	Description
12642	1	