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LAMPIRAN

1. Data Karakteristik Subjek Penelitian

MEANS TABLES=umur BB MCP1 angiotensinogenII BY KL2
/CELLS=MEAN COUNT STDDEV.

Means

Case Processing Summary

	Cases					
	Included		Excluded		Total	
	N	Percent	N	Percent	N	Percent
umur * KL2	80	100.0%	0	0.0%	80	100.0%
BB * KL2	80	100.0%	0	0.0%	80	100.0%
MCP1 * KL2	80	100.0%	0	0.0%	80	100.0%
angiotensinogenII * KL2	60	75.0%	20	25.0%	80	100.0%

Report

KL2		umur	BB	MCP1	angiotensinogenII
Group1_2	Mean	61.3500	62.9350	733.5675	14.3350
	N	40	40	40	30
	Std. Deviation	8.93725	10.36586	437.13981	11.59471
Group3_4	Mean	65.1000	70.1250	572.2228	14.4810
	N	40	40	40	30
	Std. Deviation	8.44833	12.00040	285.13823	11.81352
Total	Mean	63.2250	66.5300	652.8951	14.4080
	N	80	80	80	60
	Std. Deviation	8.84462	11.71437	375.58475	11.60525

2. Kurva ROC usia terhadap derajat keparahan OA Lutut

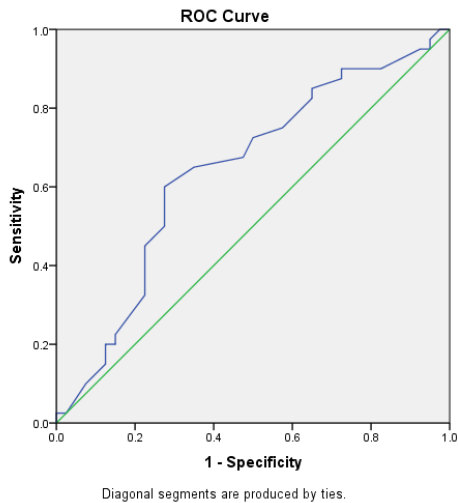
ROC Curve

Case Processing Summary

KL2	Valid N (listwise)
Positive ^a	40
Negative	40

Larger values of the test result variable(s) indicate stronger evidence for a positive actual state.

a. The positive actual state is Group3_4.



Area Under the Curve

Test Result Variable(s): umur

Area	Std. Error ^a	Asymptotic Sig. ^b	Asymptotic 95% Confidence Interval	
			Lower Bound	Upper Bound
.642	.063	.029	.519	.765

The test result variable(s): umur has at least one tie between the positive actual state group and the negative actual state group. Statistics may be biased.

- a. Under the nonparametric assumption
- b. Null hypothesis: true area = 0.5

Coordinates of the Curve

Test Result Variable(s): umur

Positive if Greater Than or Equal To ^a	Sensitivity	1 - Specificity
39.0000	1.000	1.000
40.5000	1.000	.975
42.5000	.975	.950
47.0000	.950	.950
50.5000	.950	.925
51.5000	.925	.875
52.5000	.900	.825

53.5000	.900	.800
54.5000	.900	.775
55.5000	.900	.750
56.5000	.900	.725
57.5000	.875	.725
58.5000	.850	.650
59.5000	.825	.650
60.5000	.750	.575
61.5000	.725	.500
62.5000	.675	.475
63.5000	.650	.350
64.5000	.600	.275
65.5000	.500	.275
66.5000	.450	.225
67.5000	.400	.225
68.5000	.375	.225
69.5000	.325	.225
70.5000	.225	.150
71.5000	.200	.150
72.5000	.200	.125
73.5000	.150	.125
74.5000	.100	.075
78.0000	.025	.025
82.5000	.025	.000
85.0000	.000	.000

The test result variable(s): umur has at least one tie between the positive actual state group and the negative actual state group.

a. The smallest cutoff value is the minimum observed test value minus 1, and the largest cutoff value is the maximum observed test value plus 1. All the other cutoff values are the averages of two consecutive ordered observed test values.

3. Kurva ROC berat badan terhadap derajat keparahan OA Lutut

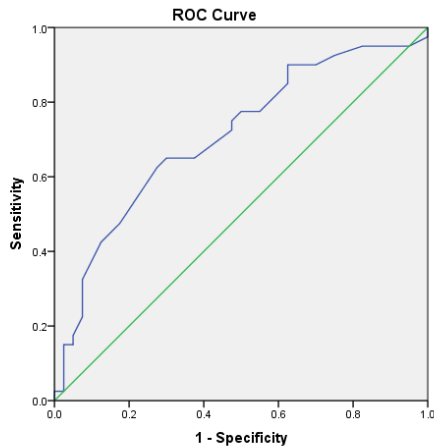
ROC Curve

Case Processing Summary

KL2	Valid N (listwise)
Positive ^a	40
Negative	40

Larger values of the test result variable(s) indicate stronger evidence for a positive actual state.

a. The positive actual state is Group3_4.



Diagonal segments are produced by ties.

Area Under the Curve

Test Result Variable(s): BB

Area	Std. Error ^a	Asymptotic Sig. ^b	Asymptotic 95% Confidence Interval	
			Lower Bound	Upper Bound
.708	.058	.001	.594	.822

The test result variable(s): BB has at least one tie between the positive actual state group and the negative actual state group. Statistics may be biased.

- a. Under the nonparametric assumption
- b. Null hypothesis: true area = 0.5

Coordinates of the Curve

Test Result Variable(s): BB

Positive if Greater Than or Equal To ^a	Sensitivity	1 - Specificity
34.0000	1.000	1.000
39.5000	.975	1.000
48.0000	.950	.950
52.5000	.950	.900
53.5000	.950	.825
54.5000	.925	.750
55.5000	.900	.700
56.5000	.900	.650
57.5000	.900	.625

58.5000	.850	.625
59.5000	.825	.600
61.0000	.775	.550
62.5000	.775	.500
63.5000	.750	.475
64.5000	.725	.475
65.2000	.650	.375
65.7000	.650	.350
67.0000	.650	.325
68.5000	.650	.300
69.5000	.625	.275
70.5000	.550	.225
71.5000	.475	.175
73.0000	.425	.125
74.5000	.375	.100
75.5000	.325	.075
76.5000	.250	.075
78.0000	.225	.075
79.5000	.175	.050
81.0000	.150	.050
82.5000	.150	.025
84.0000	.100	.025
86.5000	.050	.025
91.5000	.025	.025
97.0000	.025	.000
100.0000	.000	.000

The test result variable(s): BB has at least one tie between the positive actual state group and the negative actual state group.

a. The smallest cutoff value is the minimum observed test value minus 1, and the largest cutoff value is the maximum observed test value plus 1. All the other cutoff values are the averages of two consecutive ordered observed test values.

4. Hubungan usia dan berat badan dengan derajat keparahan OA lutut.

Crosstabs

Case Processing Summary						
	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
kat_usia65 * KL2	80	100.0%	0	0.0%	80	100.0%
Kat_BB * KL2	80	100.0%	0	0.0%	80	100.0%

kat_usia65 * KL2

Crosstab

Count		KL2		Total
		Group1_2	Group3_4	
kat_usia65	<65tahun	29	17	46
	>=65 tahun	11	23	34
Total		40	40	80

Chi-Square Tests

	Value	df	Asymp. Sig. (2-sided)	Exact Sig. (2-sided)	Exact Sig. (1-sided)
Pearson Chi-Square	7.366 ^a	1	.007		
Continuity Correction ^b	6.189	1	.013		
Likelihood Ratio	7.495	1	.006		
Fisher's Exact Test				.012	.006
Linear-by-Linear Association	7.274	1	.007		
N of Valid Cases	80				

a. 0 cells (0.0%) have expected count less than 5. The minimum expected count is 17.00.

b. Computed only for a 2x2 table

Directional Measures

			Value
Nominal by Interval	Eta	kat_usia65 Dependent	.303
		KL2 Dependent	.303

Risk Estimate

	Value	95% Confidence Interval	
		Lower	Upper
Odds Ratio for kat_usia65 (<65tahun / >=65 tahun)	3.567	1.400	9.088
For cohort KL2 = Group1_2	1.949	1.142	3.324
For cohort KL2 = Group3_4	.546	.351	.851
N of Valid Cases	80		

Kat_BB * KL2

Crosstab

Count

		KL2		Total
		Group1_2	Group3_4	
Kat_BB	<60kg	16	7	23
	>=60kg	24	33	57
Total		40	40	80

Chi-Square Tests

	Value	df	Asymp. Sig. (2-sided)	Exact Sig. (2-sided)	Exact Sig. (1-sided)
Pearson Chi-Square	4.943 ^a	1	.026		
Continuity Correction ^b	3.905	1	.048		
Likelihood Ratio	5.045	1	.025		
Fisher's Exact Test				.047	.023
Linear-by-Linear Association	4.881	1	.027		
N of Valid Cases	80				

a. 0 cells (0.0%) have expected count less than 5. The minimum expected count is 11.50.

b. Computed only for a 2x2 table

Directional Measures

			Value
Nominal by Interval	Eta	Kat_BB Dependent	.249
		KL2 Dependent	.249

Risk Estimate

	Value	95% Confidence Interval	
		Lower	Upper
Odds Ratio for Kat_BB (<60kg / >=60kg)	3.143	1.120	8.822
For cohort KL2 = Group1_2	1.652	1.100	2.482
For cohort KL2 = Group3_4	.526	.273	1.013
N of Valid Cases	80		

5. Analisis Regresi Logistik Multivariat Usia dan Berat Badan Pada Pasien OA Lutut

Logistic Regression

Case Processing Summary

Unweighted Cases ^a		N	Percent
Selected Cases	Included in Analysis	80	100.0
	Missing Cases	0	.0
	Total	80	100.0
Unselected Cases		0	.0
Total		80	100.0

a. If weight is in effect, see classification table for the total number of cases.

Dependent Variable Encoding

Original Value	Internal Value
Group1_2	0
Group3_4	1

Block 0: Beginning Block

Classification Table^{a,b}

	Observed	Predicted		
		KL2		Percentage Correct
		Group1_2	Group3_4	
Step 0	KL2 Group1_2	0	40	.0
	Group3_4	0	40	100.0
Overall Percentage				50.0

a. Constant is included in the model.

b. The cut value is .500

Variables in the Equation

	B	S.E.	Wald	df	Sig.	Exp(B)
Step 0 Constant	.000	.224	.000	1	1.000	1.000

Variables not in the Equation

	Score	df	Sig.
Step 0 Variables kat_usia65	7.366	1	.007
Kat_BB	4.943	1	.026
Overall Statistics	12.462	2	.002

Block 1: Method = Enter

Omnibus Tests of Model Coefficients

	Chi-square	df	Sig.
Step 1 Step	13.275	2	.001
Block	13.275	2	.001
Model	13.275	2	.001

Model Summary

Step	-2 Log likelihood	Cox & Snell R Square	Nagelkerke R Square
1	97.629 ^a	.153	.204

a. Estimation terminated at iteration number 4 because parameter estimates changed by less than .001.

Hosmer and Lemeshow Test

Step	Chi-square	df	Sig.
1	.135	2	.935

Contingency Table for Hosmer and Lemeshow Test

		KL2 = Group1_2		KL2 = Group3_4		Total
		Observed	Expected	Observed	Expected	
Step 1	1	11	10.675	2	2.325	13
	2	18	18.325	15	14.675	33
	3	5	5.325	5	4.675	10
	4	6	5.675	18	18.325	24

Classification Table^a

	Observed	Predicted		
		KL2		Percentage Correct
		Group1_2	Group3_4	
Step 1	Group1_2	34	6	85.0
	Group3_4	22	18	45.0
Overall Percentage				65.0

a. The cut value is .500

Variables in the Equation

	B	S.E.	Wald	df	Sig.	Exp(B)	95% C.I. for EXP(B)	
							Lower	Upper
Step 1 ^a kat_usia65	1.394	.506	7.599	1	.006	4.032	1.496	10.864
Kat_BB	1.302	.565	5.304	1	.021	3.677	1.214	11.139
Constant	-1.524	.556	7.512	1	.006	.218		

a. Variable(s) entered on step 1: kat_usia65, Kat_BB.

6. Kadar MCP-1 berdasarkan Usia

T-Test

Group Statistics

	kat_usia65	N	Mean	Std. Deviation	Std. Error Mean
MCP1 <65tahun		46	675.8891	426.73734	62.91899
>=65 tahun		34	621.7856	296.03990	50.77042

Independent Samples Test

cr		Levene's Test for Equality of Variances		t-test for Equality of Means						
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
									Lower	Upper
MCP1	Equal variances assumed	.710	.402	.635	78	.528	54.10354	85.26737	-115.65074	223.85783
	Equal variances not assumed			.669	77.737	.505	54.10354	80.84822	-106.86148	215.06856

7. Kadar MCP-1 berdasarkan Berat Badan

T-Test

Group Statistics					
	Kat_BB	N	Mean	Std. Deviation	Std. Error Mean
MCP1	<60kg	23	616.6139	294.56677	61.42142
	>=60kg	57	667.5349	405.15926	53.66466

Independent Samples Test										
		Levene's Test for Equality of Variances		t-test for Equality of Means						
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
									Lower	Upper
MCP1	Equal variances assumed	.255	.615	-.546	78	.586	-50.92100	93.19407	-236.45614	134.61414
	Equal variances not assumed			-.624	55.665	.535	-50.92100	81.56277	-214.33256	112.49056

8. Rerata kadar ACE-1 berdasarkan polimorfisme I/D gen ACE-1

T-Test

Group Statistics					
	alel_I	N	Mean	Std. Deviation	Std. Error Mean
ACE	genotip non DD (ID II)	70	128.2159	45.58121	5.44800
	genotip DD (DD)	10	197.6950	195.63880	61.86642

Independent Samples Test										
		Levene's Test for Equality of Variances		t-test for Equality of Means						
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
									Lower	Upper
ACE	Equal variances assumed	17.413	.000	-2.599	78	.011	-69.47914	26.73513	-122.70469	-16.25359

Equal variance not assumed			-1.119	9.140	.292	-69.47914	62.10584	-209.64483	70.68654
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9. Hubungan Polimorfisme I/D Gen ACE-1 Dengan Derajat Keparahan OA Lutut.

Crosstabs

Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
alel_I * KL2	80	100.0%	0	0.0%	80	100.0%

alel_I * KL2 Crosstabulation

Count

		KL2		Total
		Group1_2	Group3_4	
alel_I	genotip non DD (ID II)	36	34	70
	genotip DD (DD)	4	6	10
Total		40	40	80

Chi-Square Tests

	Value	df	Asymp. Sig. (2-sided)	Exact Sig. (2-sided)	Exact Sig. (1-sided)
Pearson Chi-Square	.457 ^a	1	.499		
Continuity Correction ^b	.114	1	.735		
Likelihood Ratio	.460	1	.498		
Fisher's Exact Test				.737	.369
Linear-by-Linear Association	.451	1	.502		
N of Valid Cases	80				

a. 0 cells (0.0%) have expected count less than 5. The minimum expected count is 5.00.

b. Computed only for a 2x2 table

Directional Measures

			Value
Nominal by Interval	Eta	alel_I Dependent	.076
		KL2 Dependent	.076

Risk Estimate

	Value	95% Confidence Interval	
		Lower	Upper
Odds Ratio for alel_I (genotip non DD (ID II) / genotip DD (DD))	1.588	.412	6.122
For cohort KL2 = Group1_2	1.286	.582	2.840
For cohort KL2 = Group3_4	.810	.462	1.418
N of Valid Cases	80		

10. Rerata kadar ACE-2 Berdasarkan Polimorfisme G8790A Gen ACE-2

T-Test

Group Statistics

	alel_T	N	Mean	Std. Deviation	Std. Error Mean
ACE2	pembawa alel T (AA GA)	67	33.7572	83.60039	10.21341
	bukan pembawa alel T (GG)	13	21.3460	7.80624	2.16506

Independent Samples Test

	Levene's Test for Equality of Variances	t-test for Equality of Means								
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
									Lower	Upper
ACE2	Equal variances assumed	1.280	.261	.532	78	.596	12.41119	23.32453	-34.02437	58.84676
	Equal variances not assumed			1.189	71.273	.238	12.41119	10.44037	-8.40493	33.22731

11. Hubungan Polimorfisme G8790A Gen ACE-2 Dengan Derajat Keparahan OA Lutut.

Crosstabs

Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent

alel_T * KL2	80	100.0%	0	0.0%	80	100.0%
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alel_T * KL2 Crosstabulation

Count

		KL2		Total
		Group1_2	Group3_4	
alel_T	pembawa alel T (TT CT)	34	33	67
	bukan pembawa alel T (CC)	6	7	13
Total		40	40	80

Chi-Square Tests

	Value	df	Asymp. Sig. (2-sided)	Exact Sig. (2-sided)	Exact Sig. (1-sided)
Pearson Chi-Square	.092 ^a	1	.762	1.000	.500
Continuity Correction ^b	.000	1	1.000		
Likelihood Ratio	.092	1	.762		
Fisher's Exact Test					
Linear-by-Linear Association	.091	1	.763		
N of Valid Cases	80				

a. 0 cells (0.0%) have expected count less than 5. The minimum expected count is 6.50.

b. Computed only for a 2x2 table

Directional Measures

			Value
Nominal by Interval	Eta	alel_T Dependent	.034
		KL2 Dependent	.034

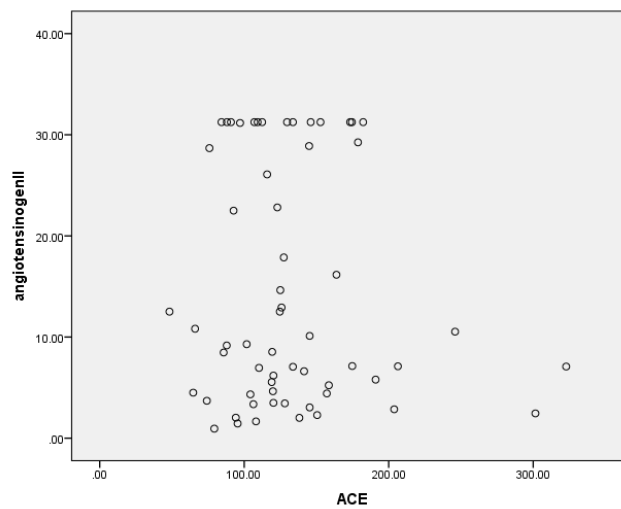
Risk Estimate

	Value	95% Confidence Interval	
		Lower	Upper
Odds Ratio for alel_T (pembawa alel T (TT CT) / bukan pembawa alel T (CC))	1.202	.365	3.955
For cohort KL2 = Group1_2	1.100	.584	2.070
For cohort KL2 = Group3_4	.915	.523	1.600
N of Valid Cases	80		

12. Korelasi Antara Kadar ACE-1 Dengan Kadar Ang-II

Correlations

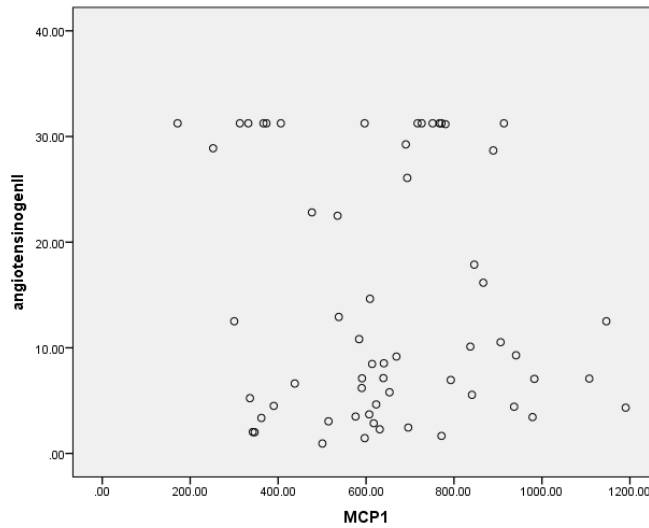
		ACE	angiotensinogenII
ACE	Pearson Correlation	1	-.089
	Sig. (2-tailed)		.498
	N	80	60
angiotensinogenII	Pearson Correlation	-.089	1
	Sig. (2-tailed)	.498	
	N	60	60



13. Korelasi Antara Kadar Ang-II Dengan Kadar MCP-1

Correlations

		angiotensinogenII	MCP1
angiotensinogenII	Pearson Correlation	1	-.137
	Sig. (2-tailed)		.295
	N	60	60
MCP1	Pearson Correlation	-.137	1
	Sig. (2-tailed)	.295	
	N	60	80



14. Pengaruh Interaksi Usia dengan Polimorfisme I/D Gen ACE-1 Terhadap Derajat Keparahan OA Lutut

Crosstabs

Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
genotipDD_usia * KL2	80	100.0%	0	0.0%	80	100.0%

genotipDD_usia * KL2 Crosstabulation

Count

		KL2		Total
		Group1_2	Group3_4	
genotipDD_usia	genotip non DD < 65 tahun	26	12	38
	genotip non DD >=65 tahun	10	22	32
	genotip DD <65 tahun	3	4	7
	genotip DD >=65 tahun	1	2	3
Total		40	40	80

Chi-Square Tests

	Value	df	Asymp. Sig. (2-sided)
Pearson Chi-Square	10.134 ^a	3	.033
Likelihood Ratio	10.376	3	.032
Linear-by-Linear Association	5.802	1	.032
N of Valid Cases	80		

a. 4 cells (50.0%) have expected count less than 5. The minimum expected count is 1.50.

Directional Measures

			Value
Nominal by Interval	Eta	genotipDD_usia Dependent	.271
		KL2 Dependent	.356

Risk Estimate

	Value
Odds Ratio for genotipDD_usia (genotip non DD < 65 tahun / genotip non DD >=65 tahun)	a

a. Risk Estimate statistics cannot be computed. They are only computed for a 2*2 table without empty cells.

15. Analisis Regresi Logistik Multivariat Pengaruh Interaksi Usia dengan Polimorfisme I/D Gen ACE-1 Terhadap Keparahan OA Lutut.

Logistic Regression

Case Processing Summary

Unweighted Cases ^a		N	Percent
Selected Cases	Included in Analysis	80	100.0
	Missing Cases	0	.0
	Total	80	100.0
Unselected Cases		0	.0
Total		80	100.0

a. If weight is in effect, see classification table for the total number of cases.

Dependent Variable Encoding

Original Value	Internal Value
Group1_2	0
Group3_4	1

Categorical Variables Codings

		Frequency	Parameter coding		
			(1)	(2)	(3)
OR_genDD_usia	genotip non DD <65 tahun	39	.000	.000	.000
	genotip non DD >=65 tahun	31	1.000	.000	.000
	genotip DD <65 tahun	7	.000	1.000	.000
	genotip DD >=65 tahun	3	.000	.000	1.000

Block 0: Beginning Block

Classification Table^{a,b}

		Predicted			
		KL2		Percentage Correct	
		Group1_2	Group3_4		
Observed	Group1_2				
Step 0	KL2	Group1_2	0	40	.0
		Group3_4	0	40	100.0
Overall Percentage					50.0

- a. Constant is included in the model.
- b. The cut value is ,500

Variables in the Equation

		B	S.E.	Wald	df	Sig.	Exp(B)
Step 0	Constant	.000	.224	.000	1	1.000	1.000

Variables not in the Equation

			Score	df	Sig.
Step 0	Variables	OR_genDD_usia	8.713	3	.033
		OR_genDD_usia(1)	6.373	1	.012
		OR_genDD_usia(2)	.157	1	.692
		OR_genDD_usia(3)	.346	1	.556
Overall Statistics			8.713	3	.033

Block 1: Method = Enter

Omnibus Tests of Model Coefficients

		Chi-square	df	Sig.
Step 1	Step	8.890	3	.031
	Block	8.890	3	.031
	Model	8.890	3	.031

Model Summary

Step	-2 Log likelihood	Cox & Snell R Square	Nagelkerke R Square
1	102.013 ^a	.105	.140

a. Estimation terminated at iteration number 3 because parameter estimates changed by less than ,001.

Hosmer and Lemeshow Test

Step	Chi-square	df	Sig.
1	.000	2	1.000

Contingency Table for Hosmer and Lemeshow Test

		KL2 = Group1_2		KL2 = Group3_4		Total
		Observed	Expected	Observed	Expected	
Step 1	1	26	26.000	13	13.000	39
	2	3	3.000	4	4.000	7
	3	1	1.000	2	2.000	3
	4	10	10.000	21	21.000	31

Classification Table^a

		Observed	Predicted		
			KL2		Percentage Correct
			Group1_2	Group3_4	
Step 1	KL2	Group1_2	26	14	65.0
		Group3_4	13	27	67.5
		Overall Percentage			66.3

a. The cut value is ,500

Variables in the Equation

		B	S.E.	Wald	df	Sig.	Exp(B)	95% C.I. for EXP(B)	
								Lower	Upper
Step 1 ^a	OR_genDD_usia			8.355	3	.039			
	OR_genDD_usia(1)	1.435	.513	7.831	1	.005	4.200	1.537	11.476
	OR_genDD_usia(2)	.981	.836	1.377	1	.241	2.667	.518	13.724
	OR_genDD_usia(3)	1.386	1.271	1.190	1	.275	4.000	.331	48.297
	Constant	-.693	.340	4.164	1	.041	.500		

a. Variable(s) entered on step 1: OR_genDD_usia.

16. Hubungan Usia dan Polimorfisme G8790A Gen ACE-2 Dengan Derajat Keparahan OA Lutut

Crosstabs

Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
AlelC_usia65 * KL2	80	100.0%	0	0.0%	80	100.0%

AlelC_usia65 * KL2 Crosstabulation

Count		KL2		Total
		Group1_2	Group3_4	
AlelC_usia65	alel C (-) usia <65 tahun	7	5	12
	alel C (-) usia >= 65 tahun	3	7	10
	alel C (+) usia <65 tahun	22	12	34
	alel C (+) usia >= 65 tahun	8	16	24
Total		40	40	80

Chi-Square Tests

	Value	df	Asymp. Sig. (2-sided)
Pearson Chi-Square	7.541 ^a	3	.057
Likelihood Ratio	7.684	3	.053
Linear-by-Linear Association	.783	1	.376
N of Valid Cases	80		

a. 0 cells (0.0%) have expected count less than 5. The minimum expected count is 5.00.