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LAMPIRAN

Lampiran 1. Ethical clearance



KOMISI ETIK PENELITIAN KESEHATAN (KEPK)
FAKULTAS KEDOKTERAN UNIVERSITAS DIPONEGORO
DAN RSUP dr KARIADI SEMARANG
Sekretariat : Kantor Dekanat FK Undip Lt.3
Jl. Dr. Soetomo 18. Semarang 50231
Telp/Fax. 024-8318350



ETHICAL CLEARANCE No. 270 /EC/FK-RSDK/2014

Komisi Etik Penelitian Kesehatan Fakultas Kedokteran Universitas Diponegoro/ RSUP Dr. Kariadi Semarang, setelah membaca dan menelaah Usulan Penelitian dengan judul :

PERBEDAAN ANTARA JUMLAH LEUKOSIT DARAH PADA PASIEN APENDISITIS AKUT DENGAN APENDISITIS PERFORASI DI RSUP DR. KARIADI SEMARANG

Peneliti Utama : Siti Hardiyanti Sibuea
Pembimbing : 1. dr. B. Parish Budiono, Sp.B, M.Si.Med
2. Dra. Ani Margawati, M.Kes, Ph.D
Penelitian : Dilaksanakan di Bagian Catatan Medik RSUP Dr.Kariadi Semarang

Setuju untuk dilaksanakan, dengan memperhatikan prinsip-prinsip yang dinyatakan dalam Deklarasi Helsinki 1975, yang diamended di Seoul 2008 dan Pedoman Nasional Etik Penelitian Kesehatan (PNEPK) Departemen Kesehatan RI 2011

Peneliti harus melampirkan 2 kopi lembar Informed consent yang telah disetujui dan ditandatangani oleh peserta penelitian pada laporan penelitian.

Peneliti diwajibkan menyerahkan :

- Laporan kemajuan penelitian (clinical Trial)
- Laporan kejadian efek samping jika ada
- ✓ - Laporan ke KEPK jika penelitian sudah selesai & dilampiri Abstrak Penelitian.

Semarang, 14 MAY 2014

Komisi Etik Penelitian Kesehatan
Fakultas Kedokteran Undip/RSUP Dr. Kariadi
Ketua



Prof.Dr.dr.Suprihati, M.Sc, Sp.THT-KL(K)
NIP. 19500621197703 2 001

Lampiran 2. Surat Diklat



KEMENTERIAN KESEHATAN RI
DIREKTORAT JENDERAL BINA UPAYA KESEHATAN
RUMAH SAKIT UMUM PUSAT DOKTER KARIADI

Jalan Dr. Sutomo No. 16 Semarang, PO BOX 1104
 Telepon : (024) 8413993, 8413476, 8413764 Fax : (024) 8318617
 Website : <http://www.rskariadi.com> email : rsdk@indosat.net.id ; rsdk@rskariadi.com



SURAT IZIN
MELAKSANAKAN PENELITIAN

DL.00.02/I.II/1356 /2014

Yang bertanda tangan di bawah ini :

Nama : Dr. Agus Suryanto, Sp.PD-KP, MARS
 N I P : 19610818 198812 1001
 Jabatan : Direktur SDM dan Pendidikan RSUP Dr. Kariadi

Memberikan ijin melakukan penelitian untuk :

Nama peneliti : Siti Hardiyanti Sibuea
 Institusi peneliti : Universitas Diponegoro (Fakultas Kedokteran)
 Judul penelitian : Perbedaan Antara Jumlah Leukosit Darah Pada Pasien Apendisitis Akut Dengan Apendisitis Perforasi Di RSUP Dr. Kariadi Semarang
 Pembimbing : 1. dr. B. Parish Budiono, Sp.B, M.Si.Med
 2. Dra. Ani Margawati, M.Kes, Ph.D

DPJP : -

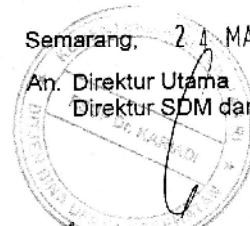
Lokasi penelitian : Instalasi Rekam Medis

untuk melaksanakan kegiatan penelitian selama ±4 bulan.

Peneliti wajib melakukan :

1. Laporan monitoring evaluasi penelitian secara periodik
2. Laporan selesai penelitian dengan menyerahkan monitoring evaluasi penelitian
3. Menyerahkan laporan hasil akhir penelitian (1 berkas)

Semarang, 24 MAY 2014
 An. Direktur Utama
 Direktur SDM dan Pendidikan



Dr. Agus Suryanto, Sp.PD-KP, MARS
 NIP. 19610818 198812 1 001

Lampiran 3. Spreadsheet data

NO CM	JENIS KELAMIN (L/P)	UMUR	DIAGNOSIS	LEUKOSIT PRE OP
C430420	L	24	AP. AKUT	14.050
C435760	P	17	AP. AKUT	13400
C404401	P	14	AP. AKUT	9320
C075561	L	8	AP. AKUT	16700
C404951	P	20	AP. AKUT	13700
C275701	L	26	AP. AKUT	14900
C197131	L	22	AP. AKUT	10700
C201271	L	37	AP. AKUT	18000
C29221	L	19	AP. AKUT	13530
C372980	L	7	AP. AKUT	19300
C354260	L	16	AP. AKUT	16590
C348840	L	40	AP. AKUT GANGRENOSA	10800
C274320	L	42	AP. AKUT	12800
B295760	L	38	AP. AKUT	14000
C198480	P	21	AP. AKUT	19000
C308730	L	19	AP. AKUT	13600
C225350	L	11	AP. AKUT	17000
C368213	L	17	AP. AKUT	18870
C271862	P	14	AP. AKUT	7600
C373442	L	11	AP. AKUT	14280
C197882	L	19	AP. AKUT	13000
C287212	P	25	AP. AKUT	9900
C375832	P	10	AP. AKUT	15600
C292792	P	18	AP. AKUT	22000
C053592	L	13	AP. AKUT	17000
C227203	L	18	AP. AKUT	10700
C384743	P	18	AP. AKUT	11100
C262753	L	19	AP. AKUT	15900
C414462	L	12	AP. AKUT	16900
C292233	L	30	AP. AKUT	18480
C315373	P	19	AP. AKUT	14100
C431642	L	18	AP. AKUT	17090
C405612	L	9	AP. AKUT	12000
C426452	L	34	AP. AKUT	17700
C413907	P	20	AP. AKUT	7110
C233364	L	23	AP. AKUT TIPE GANGRENOSA	12300

C411774	P	12	AP. AKUT	7020
NO CM	JENIS KELAMIN (L/P)	UMUR	DIAGNOSIS	LEUKOSIT PRE OP
C388794	L	27	AP. AKUT	20000
C432276	L	43	AP. AKUT	14500
C428466	L	10	AP. AKUT	17890
C438166	L	16	AP. AKUT	11260
B332494	P	17	AP. AKUT	21400
C408736	L	11	AP. AKUT	17000
C397095	P	30	AP. AKUT	10700
C404075	L	35	AP. AKUT	12900
C399005	L	22	AP. AKUT	11350
C227255	P	30	AP. AKUT	15.400
C257815	P	22	AP. AKUT	11200
C316604	P	12	AP. AKUT	6600
C126074	L	44	AP. AKUT	11200
C337214	P	21	AP. AKUT	11100
C387914	L	29	AP. AKUT	13300
B336714	P	27	AP. AKUT	7440
C371394	L	22	AP. AKUT	8620
C331994	L	20	AP. AKUT	6900
B440674	P	10	AP. AKUT	16200
C417708	L	27	AP. AKUT	13130
C432999	P	63	AP. AKUT	18700
C401389	L	22	AP. AKUT	6850
C365547	L	24	AP. AKUT	13740
C375027	L	42	AP. AKUT	15900
C208047	P	23	AP. AKUT	10900
C316247	P	18	AP. AKUT	11600
C252137	L	35	AP. AKUT	11500
C171177	L	34	AP. AKUT	18100
C243257	L	19	AP. AKUT	18400
C203566	L	20	AP. AKUT	5300
C243026	L	12	AP. AKUT	7840
C325626	L	26	AP. AKUT	12880
C25986	P	10	AP. AKUT	11200
C295816	P	35	AP. AKUT	7300
C299976	L	21	AP. AKUT	15000
477925	P	18	AP. AKUT	10600
C197245	P	50	AP. AKUT	7150
C223505	P	8	AP. AKUT	15900

NO CM	JENIS KELAMIN (L/P)	UMUR	DIAGNOSIS	LEUKOSIT PRE OP
C224025	L	4	AP. AKUT	15000
C319108	L	11	AP. AKUT	13800
C244589	L	14	AP. AKUT	19500
C308599	L	17	AP. AKUT	20900
C249948	L	15	AP. AKUT	11300
C240198	L	19	AP. AKUT	8600
C289788	P	15	AP. AKUT LETAK ANTECAECAL	13700
C339508	L	31	AP. AKUT	16000
C339228	L	19	AP. AKUT	6800
C151709	P	49	AP. AKUT	6700
C178008	L	16	AP. AKUT	12500
C368428	P	49	AP. AKUT	16400
C227628	P	16	AP. AKUT	6300
C235288	P	19	AP. AKUT	22700
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C068077	L	5	AP. AKUT	26400
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C318549	P	4	AP. AKUT	15200
C317940	L	5	PERITONITIS GENERALISATA E.C AP. PERFORASI	31300
C243010	L	27	PERITONITIS GENERALISATA E.C AP. PERFORASI	17700
C346333	P	18	AP. PERFORASI	19600
C333462	L	25	PERITONITIS GENERALISATA E.C AP. PERFORASI	15800
C334082	L	21	PERITONITIS GENERALISATA E.C AP. PERFORASI	19600
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C382833	P	19	AP. PERFORASI	18650
B094233	L	21	PERITONITIS GENERALISATA E.C AP. PERFORASI	43660

C410144	P	17	PERITONITIS GENERALISATA E.C AP. PERFORASI	30480
NO CM	JENIS KELAMIN (L/P)	UMUR	DIAGNOSIS	LEUKOSIT PRE OP
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C389224	L	23	AP. AKUT PERFORASI	18400
C216394	L	33	PERITONITIS GENERALISATA E.C AP. PERFORASI	21800
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C309937	L	13	AP. PERFORASI	19700
C423476	P	29	AP. PERFORASI	26410
B363197	L	19	PERITONITIS GENERALISATA E.C AP. PERFORASI	13200
C209306	L	33	PERITONITIS GENERALISATA E.C AP. PERFORASI	17000
C257446	L	57	PERITONITIS GENERALISATA E.C AP. PERFORASI	14000
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C403891	P	36	PERITONITIS GENERALISATA E.C AP. PERFORASI	28240
C379589	L	8	AP. AKUT PERFORASI	14900
C207629	L	20	PERITONITIS GENERALISATA E.C AP. PERFORASI	16700
C383019	P	56	AP. PERFORASI	6030
B045278	P	18	AP. PERFORASI	15100
C334719	L	12	PERITONITIS GENERALISATA E.C AP. PERFORASI	19500
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C345948	L	42	AP. AKUT PERFORASI	13600
C301745	L	15	ILEUS OBSTRUKSI E.C AP. AKUT PERFORASI	16100
C426592	P	4	AP. PERFORASI	34090
C444410	P	14	AP. PERFORASI	16900
C327891	P	20	AP. PERFORASI	12.000
C37948	P	61	AP. AKUT PERFORASI	22000

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C289958	L	16	AP. PERFORASI	16900
C239034	L	9	AP. AKUT PERFORASI	26300
C249574	L	30	PERITONITIS GENERALISATA E.C AP. PERFORASI	17000
C404428	P	40	AP. AKUT PERFORASI	22290
JUMLAH			139	

Lampiran 4. Output SPSS

Frequencies

Frequency Table

Statistics

umur

N	Valid	139
	Missing	0

DIAGNOSIS

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	AP. AKUT	96	69,1	69,1	69,1
	AP. PERFORASI	43	30,9	30,9	100,0
	Total	139	100,0	100,0	

Jenis kelamin

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Laki-laki	86	61,9	61,9	61,9
	Perempuan	53	38,1	38,1	100,0
	Total	139	100,0	100,0	

Umur

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid 0 - 10	22	15,8	15,8	15,8
11 - 20	54	38,8	38,8	54,7
21 - 30	32	23,0	23,0	77,7
31 - 40	16	11,5	11,5	89,2
41 - 50	9	6,5	6,5	95,7
> 50	6	4,3	4,3	100,0
Total	139	100,0	100,0	

Case Summaries

LEUKOSIT

N	Mean	Std. Deviation	Median	Minimum	Maximum
139	15349,50	5853,698	14900,00	5300	43660

Crosstabs

Jenis kelamin * DIAGNOSIS Crosstabulation

			DIAGNOSIS		Total
			AP. AKUT	AP. PERFORASI	
Jenis kelamin	Laki-laki	Count	61	25	86
		% within DIAGNOSIS	63,5%	58,1%	61,9%
		% of Total	43,9%	18,0%	61,9%
	Perempuan	Count	35	18	53
		% within DIAGNOSIS	36,5%	41,9%	38,1%
		% of Total	25,2%	12,9%	38,1%
Total	Count	96	43	139	
	% within DIAGNOSIS	100,0%	100,0%	100,0%	
	% of Total	69,1%	30,9%	100,0%	

Umur * DIAGNOSIS Crosstabulation

			DIAGNOSIS		Total
			AP. AKUT	AP. PERFORASI	
Umur	0 - 10	Count	13	9	22
		% within DIAGNOSIS	13,5%	20,9%	15,8%
		% of Total	9,4%	6,5%	15,8%
	11 - 20	Count	41	13	54
		% within DIAGNOSIS	42,7%	30,2%	38,8%
		% of Total	29,5%	9,4%	38,8%
	21 - 30	Count	22	10	32
		% within DIAGNOSIS	22,9%	23,3%	23,0%
		% of Total	15,8%	7,2%	23,0%
	31 - 40	Count	11	5	16
		% within DIAGNOSIS	11,5%	11,6%	11,5%
		% of Total	7,9%	3,6%	11,5%
	41 - 50	Count	8	1	9
		% within DIAGNOSIS	8,3%	2,3%	6,5%
		% of Total	5,8%	,7%	6,5%
	> 50	Count	1	5	6
		% within DIAGNOSIS	1,0%	11,6%	4,3%
		% of Total	,7%	3,6%	4,3%
Total		Count	96	43	139
		% within DIAGNOSIS	100,0%	100,0%	100,0%
		% of Total	69,1%	30,9%	100,0%

Explore

LEUKOSIT

Descriptives

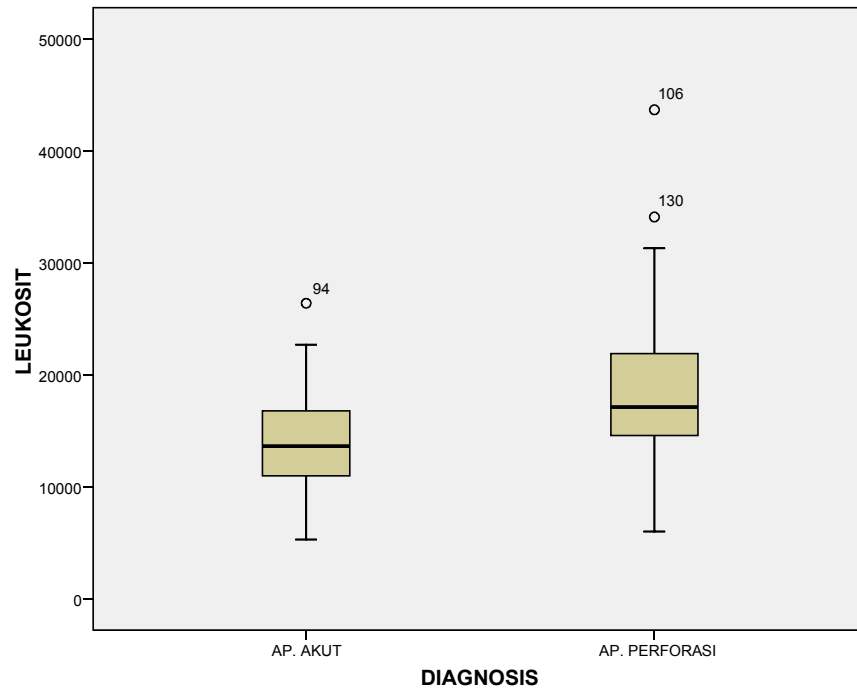
DIAGNOSIS			Statistic	Std. Error	
LEUKOSIT	AP. AKUT	Mean	13723.85	448.791	
		95% Confidence Interval for Mean	Lower Bound	12832.89	
			Upper Bound	14614.82	
		5% Trimmed Mean	13614.93		
		Median	13650.00		
		Variance	2E+007		
		Std. Deviation	4397.235		
		Minimum	5300		
		Maximum	26400		
		Range	21100		
		Interquartile Range	5900		
		Skewness	.237	.246	
		Kurtosis	-.229	.488	
		AP. PERFORASI	AP. PERFORASI	Mean	18978.84
95% Confidence Interval for Mean	Lower Bound			16817.40	
	Upper Bound			21140.27	
5% Trimmed Mean	18538.24				
Median	17140.00				
Variance	5E+007				
Std. Deviation	7023.240				
Minimum	6030				
Maximum	43660				
Range	37630				
Interquartile Range	7700				
Skewness	1.303			.361	
Kurtosis	2.783			.709	

Tests of Normality

DIAGNOSIS		Kolmogorov-Smirnov ^a			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
LEUKOSIT	AP. AKUT	.055	96	.200*	.982	96	.228
	AP. PERFORASI	.157	43	.010	.913	43	.003

*. This is a lower bound of the true significance.

a. Lilliefors Significance Correction



Tests of Normality

DIAGNOSIS	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
ZLEUKOSIT AP. AKUT	.067	96	.200*	.982	96	.202
AP. PERFORASI	.121	43	.120	.965	43	.204

*. This is a lower bound of the true significance.

a. Lilliefors Significance Correction

T-Test

Group Statistics

DIAGNOSIS	N	Mean	Std. Deviation	Std. Error Mean
ZLEUKOSIT AP. AKUT	96	115.5876	19.16187	1.95570
AP. PERFORASI	43	135.6358	24.40546	3.72180

Independent Samples Test

		ZLEUKOSIT	
		Equal variances assumed	Equal variances not assumed
Levene's Test for Equality of Variances	F Sig.	1.221 .271	
t-test for Equality of Means	t	-5.225	-4.768
	df	137	66.166
	Sig. (2-tailed)	.000	.000
	Mean Difference	-20.04814	-20.04814
	Std. Error Difference	3.83693	4.20435
	95% Confidence Interval of the Difference	Lower Upper	-27.63540 -12.46087

ROC Curve

Case Processing Summary

DIAGNOSIS	Valid N (listwise)
Positive ^a	43
Negative	96

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

a. The positive actual state is AP. PERFORASI.

Area Under the Curve

Test Result Variable(s): LEUKOSIT

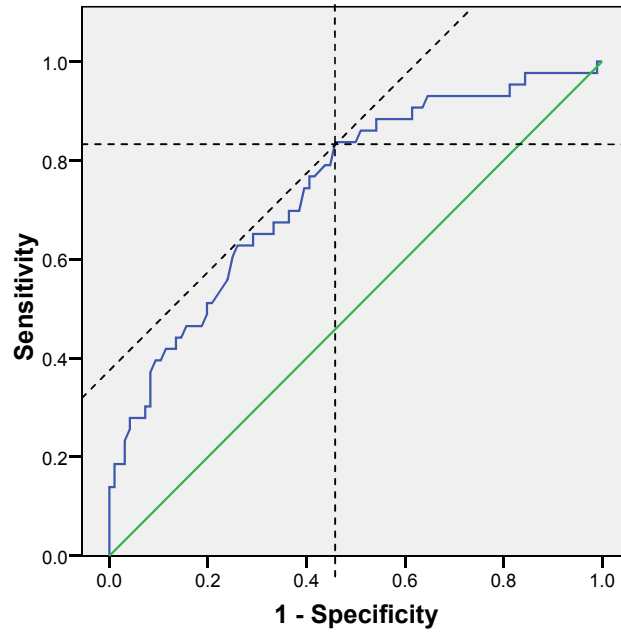
Area	Std. Error ^a	Asymptotic Sig. ^b	Asymptotic 95% Confidence Interval	
			Lower Bound	Upper Bound
.744	.045	.000	.655	.833

The test result variable(s): LEUKOSIT 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

ROC Curve



Diagonal segments are produced by ties.

Coordinates of the Curve

Test Result Variable(s): LEUKOSIT

Positive if Greater Than or Equal To(a)	Sensitivity	1 - Specificity
5299.00	1.000	1.000
5665.00	1.000	.990
6165.00	.977	.990
6450.00	.977	.979
6650.00	.977	.969
6750.00	.977	.958
6825.00	.977	.948
6875.00	.977	.938

6960.00	.977	.927
7065.00	.977	.917
7130.00	.977	.906
7225.00	.977	.896
7370.00	.977	.885
7520.00	.977	.875
7720.00	.977	.865
8220.00	.977	.854
8605.00	.977	.844
8615.00	.953	.844
8970.00	.953	.833
9610.00	.953	.823
10200.00	.953	.813
10550.00	.930	.813
10650.00	.930	.802
10750.00	.930	.771
10850.00	.930	.760
11000.00	.930	.750
11150.00	.930	.729
11230.00	.930	.698
11280.00	.930	.688
11325.00	.930	.677
11425.00	.930	.667
11550.00	.930	.656
11800.00	.930	.646
12150.00	.907	.635
12350.00	.907	.615
12450.00	.884	.615
12650.00	.884	.594

12840.00	.884	.583
12890.00	.884	.573
12950.00	.884	.563
13065.00	.884	.552
13165.00	.884	.542
13250.00	.860	.542
13350.00	.860	.531
13465.00	.860	.521
13565.00	.860	.510
13650.00	.837	.500
13720.00	.837	.479
13770.00	.837	.469
13900.00	.837	.458
14025.00	.791	.448
14075.00	.791	.438
14190.00	.767	.417
14290.00	.767	.406
14400.00	.744	.406
14700.00	.744	.396
14950.00	.698	.385
15050.00	.698	.365
15150.00	.674	.365
15300.00	.674	.354
15500.00	.674	.344
15700.00	.674	.333
15850.00	.651	.333
15950.00	.651	.302
16050.00	.651	.292
16150.00	.628	.292

16300.00	.628	.281
16495.00	.628	.271
16645.00	.628	.260
16800.00	.605	.250
16950.00	.558	.240
17045.00	.512	.208
17115.00	.512	.198
17420.00	.488	.198
17795.00	.465	.188
17945.00	.465	.177
18050.00	.465	.167
18250.00	.465	.156
18440.00	.442	.146
18565.00	.442	.135
18675.00	.419	.135
18785.00	.419	.125
18935.00	.419	.115
19150.00	.395	.104
19400.00	.395	.094
19550.00	.372	.083
19650.00	.326	.083
19850.00	.302	.083
20100.00	.302	.073
20550.00	.279	.073
21050.00	.279	.063
21300.00	.279	.052
21600.00	.279	.042
21900.00	.256	.042
22045.00	.233	.031

22190.00	.209	.031
22445.00	.186	.031
22650.00	.186	.021
23300.00	.186	.010
25100.00	.163	.010
26350.00	.140	.010
26405.00	.140	.000
27325.00	.116	.000
29360.00	.093	.000
30890.00	.070	.000
32695.00	.047	.000
38875.00	.023	.000
43661.00	.000	.000

The test result variable(s): LEUKOSIT 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.

Crosstabs

Kategori Leukosit * DIAGNOSIS Crosstabulation

		DIAGNOSIS		Total	
		AP. AKUT	AP. PERFORASI		
Kategori Leukosit	Count	52	7	59	
	<=13.900	% within Kategori Leukosit	88,1%	11,9%	100,0%
		% within DIAGNOSIS	54,2%	16,3%	42,4%
		% of Total	37,4%	5,0%	42,4%
	> 13.900	Count	44	36	80
		% within Kategori Leukosit	55,0%	45,0%	100,0%
Total		% within DIAGNOSIS	45,8%	83,7%	57,6%
		% of Total	31,7%	25,9%	57,6%
		Count	96	43	139
		% within Kategori Leukosit	69,1%	30,9%	100,0%
		% within DIAGNOSIS	100,0%	100,0%	100,0%
		% of Total	69,1%	30,9%	100,0%

Lampiran 5. Biodata Mahasiswa**Identitas**

Nama : Siti Hardiyanti Sibuea
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Tempat/tanggal lahir : Manado, 27 Mei 1992
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Nomor HP : +6285240047092
E-mail : stiey_hardiyanti@yahoo.com
dr.sitisibuea@yahoo.com

Riwayat pendidikan formal

1. TK : TK Handayani Manado
2. SD : SD Negeri No. 20 Manado
SD Negeri No. 31 Gorontalo
Lulus tahun 2004
3. SMP : SMP Negeri 1 Gorontalo
Lulus tahun 2007
4. SMA : SMA Negeri 3 Gorontalo
Lulus tahun 2010
5. FK UNDIP : Prodi Kedokteran Umum tahun 2010 – sekarang

Kegiatan Organisasi

1. Asian Medical Student Association (AMSA) UNDIP : 2011-2012
2. Mahasiswa Pecinta Alam Medica (MALADICA) UNDIP : 2010 -
sekarang