DAFTAR PUSTAKA

Abdalla, K.M. *et al.* (2020) 'European Journal of Radiology Open Coronary artery anomalies in patients with zero calcium score : A new evidence supports the 2016-NICE guidance', *European Journal of Radiology Open*, 7(December 2019), p. 100211. Available at: https://doi.org/10.1016/j.ejro.2019.12.005.

Adhikary, D. *et al.* (2022) 'A Systematic Review of Major Cardiovascular Risk Factors: A Growing Global Health Concern', *Cureus*, 14(Mi). Available at: https://doi.org/10.7759/cureus.30119.

Allison, M.A. and Wright, C.M. (2005) 'Age and gender are the strongest clinical correlates of prevalent coronary calcification (R1)', *International Journal of Cardiology*, 98(2), pp. 325–330. Available at: https://doi.org/10.1016/j.ijcard.2004.03.015.

Bergheanu, S.C., Bodde, M.C. and Jukema, J.W. (2017) 'Pathophysiology and treatment of atherosclerosis: Current view and future perspective on lipoprotein modification treatment', *Netherlands Heart Journal*, 25(4), pp. 231–242. Available at: https://doi.org/10.1007/s12471-017-0959-2.

Bigler, M.R. *et al.* (2021) 'Hemodynamic Relevance of Anomalous Coronary Arteries Originating From the Opposite Sinus of Valsalva-In Search of the Evidence', *Frontiers in Cardiovascular Medicine*, 7(January). Available at: https://doi.org/10.3389/fcvm.2020.591326.

Cheezum, M.K. *et al.* (2017) 'Anomalous origin of the coronary artery arising from the opposite sinus: prevalence and outcomes in patients undergoing coronary CTA', *European heart journal cardiovascular Imaging*, 18(2), pp. 224–235. Available at: https://doi.org/10.1093/ehjci/jev323.

Chow, C.K. and Sheth, T. (2011) 'What is the role of invasive versus non-invasive coronary angiography in the investigation of patients suspected to have coronary heart disease?', *Internal Medicine Journal*, 41(1 A), pp. 5–13. Available at: https://doi.org/10.1111/j.1445-5994.2009.02066.x.

Cui, Y. *et al.* (2017) 'Quantification of left coronary bifurcation angles and plaques by coronary computed tomography angiography for prediction of significant coronary stenosis: A preliminary study with dual-source CT', *PLoS ONE*, 12(3), pp. 1–18. Available at: https://doi.org/10.1371/journal.pone.0174352.

Cury, R.C. *et al.* (2016) 'Coronary Artery Disease - Reporting and Data System (CAD-RADS): An Expert Consensus Document of SCCT, ACR and NASCI: Endorsed by the ACC', *JACC: Cardiovascular Imaging*, 9(9), pp. 1099–1113. Available at: https://doi.org/10.1016/j.jcmg.2016.05.005.

Czaja-Ziółkowska, M. *et al.* (2023) 'Relationship between left main trifurcation angulation, calcium score, and the onset of plaque formation', *Kardiologia Polska*, 81(1), pp. 48–53. Available at: https://doi.org/10.33963/KP.a2022.0161.

Departemen Radiology UGM , S. *et al.* (2021) 'Hubungan sudut bifurkasi Left Main onary Artery Dengan stenosis arteru koroner menggunankan CT iography'. H

et al. (2023) 'Diagnosis of coronary artery disease in patients with type 2 betes mellitus based on computed tomography and pericoronary adipose ue radiomics: a retrospective cross-sectional study', *Cardiovascular*

Diabetology, 22(1), pp. 1–14. Available at: https://doi.org/10.1186/s12933-023-01748-0.

Estiasih, T. *et al.* (2014) 'The Effect of Unsaponifiable Fraction from Palm Fatty Acid Distillate on Lipid Profile of Hypercholesterolaemia Rats', *Journal of Food and Nutrition Research*, 2(12), pp. 1029–1036. Available at: https://doi.org/10.12691/jfnr-2-12-26.

Galiè, N. *et al.* (2017) 'Left Main Coronary Artery Compression in Patients With Pulmonary Arterial Hypertension and Angina', *Journal of the American College of Cardiology*, 69(23), pp. 2808–2817. Available at: https://doi.org/10.1016/j.jacc.2017.03.597.

Graidis, C. *et al.* (2015) 'Prevalence and characteristics of coronary artery anomalies in an adult population undergoing multidetector-row computed tomography for the evaluation of coronary artery disease', *BMC Cardiovascular Disorders*, 15(1), pp. 1–10. Available at: https://doi.org/10.1186/s12872-015-0098-x.

Han, P. lun *et al.* (2020) 'Anatomical characteristics of anomalous left coronary artery from the opposite sinus (left-ACAOS) and its clinical relevance: A serial coronary CT angiography study', *IJC Heart and Vasculature*, 31, p. 100649. Available at: https://doi.org/10.1016/j.ijcha.2020.100649.

Ichikawa, K. *et al.* (2021) 'Prognostic value of non-alcoholic fatty liver disease for predicting cardiovascular events in patients with diabetes mellitus with suspected coronary artery disease: a prospective cohort study', *Cardiovascular Diabetology*, 20(1), pp. 1–10. Available at: https://doi.org/10.1186/s12933-020-01192-4.

Jousilahti, P. *et al.* (1999) 'Sex, age, cardiovascular risk factors, and coronary heart disease: A prospective follow-up study of 14 786 middle-aged men and women in Finland', *Circulation*, 99(9), pp. 1165–1172. Available at: https://doi.org/10.1161/01.CIR.99.9.1165.

Juntunen, M.A.K. *et al.* (2020) 'Interior photon counting computed tomography for quantification of coronary artery calcium: Pre-clinical phantom study', *Biomedical Physics and Engineering Express*, 6(5). Available at: https://doi.org/10.1088/2057-1976/aba133.

Karlo, C.A. *et al.* (2012) 'A systematic approach for analysis, interpretation, and reporting of coronary CTA studies', *Insights into Imaging*, 3(3), pp. 215–228. Available at: https://doi.org/10.1007/s13244-012-0167-y.

Kasper D *et al.* (2015) 'Harrison's Principles of Internal Medicine, 19e | AccessMedicine | McGraw Hill Medical', p. 19. Available at: https://accessmedicine.mhmedical.com/book.aspx?bookid=2129%0Ahttps://accessmedicine.mhmedical.com/book.aspx?bookid=3095%0Ahttps://accessmedicine.mhmedical.com/book.aspx?bookId=3095#262859028.

Kini, S., Bis, K.G. and Weaver, L. (2007) 'Normal and variant coronary arterial and venous anatomy on high-resolution CT angiography', *American Journal of Roentgenology*, 188(6), pp. 1665–1674. Available at: https://doi.org/10.2214/AJR.06.1295.

Kolossváry, M. *et al.* (2017) 'Plaque imaging with CT-A comprehensive review on ɔnary CT angiography based risk assessment', *Cardiovascular Diagnosis Therapy*, 7(5), pp. 489–506. Available at: s://doi.org/10.21037/cdt.2016.11.06.

J. (2003) 'Introduction', *Journal of Managed Care Pharmacy*, 9(1 Supp A), 2–5. Available at: https://doi.org/10.18553/jmcp.2003.9.s1.2.

Neves, P.O., Andrade, J. and Monção, H. (2017) 'Escore de cálcio coronariano: Estado atual', *Radiologia Brasileira*, 50(3), pp. 182–189. Available at: https://doi.org/10.1590/0100-3984.2015.0235.

Parikh, P. *et al.* (2018) 'Coronary artery calcium scoring: Its practicality and clinical utility in primary care', *Cleveland Clinic Journal of Medicine*, 85(9), pp. 707–716. Available at: https://doi.org/10.3949/ccjm.85a.17097.

Pflederer, T. *et al.* (2006) 'Measurement of coronary artery bifurcation angles by multidetector computed tomography', *Investigative Radiology*, pp. 793–798. Available at: https://doi.org/10.1097/01.rli.0000239318.88270.9f.

Rampidis, G. *et al.* (2022) 'Relationship between Coronary Arterial Geometry and the Presence and Extend of Atherosclerotic Plaque Burden: A Review Discussing Methodology and Findings in the Era of Cardiac Computed Tomography Angiography', *Diagnostics*, 12(9). Available at: https://doi.org/10.3390/diagnostics12092178.

'Leone a, Relation between Coronary Lesions and Cigarette Smoking of Subjects Deceased from Acute Myocardial Infarction. A Histopathological Study' (2014) *Journal of Cardiobiology*, 2(2). Available at: https://doi.org/10.13188/2332-3671.1000011.

Shahjehan, R. and Bhutta, B. (2023) 'Coronary artery disease - statpearls - NCBI bookshelf', *Treasure island (FL): statpearls* [Preprint].

Singh, R.B. *et al.* (2002) 'Pathogenesis of atherosclerosis: A multifactorial process', *Experimental and Clinical Cardiology*, 7(1), pp. 40–53. Available at: https://doi.org/10.1007/978-3-031-25879-4_2.

Young, P.M. *et al.* (2011) 'Cardiac imaging: Part 2, normal, variant, and anomalous configurations of the coronary vasculature', *American Journal of Roentgenology*, 197(4), pp. 816–826. Available at: https://doi.org/10.2214/AJR.10.7249.

Zhao, D. (2021) 'Epidemiological Features of Cardiovascular Disease in Asia', *JACC: Asia*, 1(1), pp. 1–13. Available at: https://doi.org/10.1016/j.jacasi.2021.04.007.

Lampiran 1. *Ethical Clearance*

KEMENTERIAN PENDIDIKAN, KEBUDAYAAN, RISET DAN TEKNOLOGI
UNIVERSITAS HASANUDDIN FAKULTAS KEDOKTERAN
KOMITE ETIK PENELITIAN UNIVERSITAS HASANUDDIN
RSPTN UNIVERSITAS HASANUDDIN
RSUP Dr. WAHIDIN SUDIROHUSODO MAKASSAR
Sekretariat : Lantai 2 Gedung Laboratorium Terpadu
JL.PERINTIS KEMERDEKAAN KAMPUS TAMALANREA KM.10 MAKASSAR 90245.
Contact Person: dr. Agussalim Bukhari.,MMed,PhD, SpGK TELP. 081241850858, 0411 5780103, Fax : 0411-581431

REKOMENDASI PERSETUJUAN ETIK

Nomor : 170/UN4.6.4.5.31/ PP36/ 2024

Tanggal: 15 Maret 2024

Dengan ini Menyatakan bahwa Protokol dan Dokumen yang Berhubungan Dengan Protokol berikut ini telah mendapatkan Persetujuan Etik :

No Protokol	UH24020120	No Sponsor	
Peneliti Utama	**dr. Tryastuti Wahyu Utami**	Sponsor	
Judul Peneliti	HUBUNGAN SUDUT BIFURCARTIO DAN TAKE-OFF ANGLE ORIGIN PADA ARTERI CORONARIA DENGAN DERAJAT STENOSIS DAN CALCIUM SCORE PADA PASIEN CORONARY ARTERY DISEASE DI RSUP DR.WAHIDIN SUDIROHISODO MAKASSAR		
No Versi Protokol	**1**	Tanggal Versi	**23 Februari 2024**
No Versi PSP		Tanggal Versi	
Tempat Penelitian	RSUP Dr. Wahidin Sudirohusodo Makassar		
Jenis Review	☐ Exempted ☒ Expedited ☐ Fullboard Tanggal	Masa Berlaku **15 Maret 2024** sampai **15 Maret 2025**	Frekuensi review lanjutan
Ketua KEP Universitas Hasanuddin	**Prof. dr. Muh Nasrum Massi,PhD,SpMK, Subsp. Bakt(K)**	Tanda tangan	
Sekretaris KEP Universitas Hasanuddin	**dr. Firdaus Hamid, PhD, SpMK(K)**	Tanda tangan	

Kewajiban Peneliti Utama:

- Menyerahkan Amandemen Protokol untuk persetujuan sebelum di implementasikan
- Menyerahkan Laporan SAE ke Komisi Etik dalam 24 Jam dan dilengkapi dalam 7 hari dan Lapor SUSAR dalam 72 ...telah Peneliti Utama menerima laporan
- ...erahkan Laporan Kemajuan (progress report) setiap 6 bulan untuk penelitian resiko tinggi dan setiap ...un untuk penelitian resiko rendah
- ...erahkan laporan akhir setelah Penelitian berakhir
- ...porkan penyimpangan dari prokol yang disetujui (protocol deviation / violation)
- ...tuhi semua peraturan yang ditentukan

Lampiran 2. Tabel Uji Statistik

Uji Deskriptif (Univariat)

Descriptive Statistics

	N	Minimum	Maximum	Mean	Std. Deviation
Usia	36	43.00	74.00	58.1111	8.95633
Valid N (listwise)	36				

Frequencies

Usia

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	36-45	3	8.3	8.3	8.3
	46-55	12	33.3	33.3	41.7
	56-65	13	36.1	36.1	77.8
	>65	8	22.2	22.2	100.0
	Total	36	100.0	100.0	

Jenis kelamin

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Laki-laki	24	66.7	66.7	66.7
	Perempuan	12	33.3	33.3	100.0
	Total	36	100.0	100.0	

Merokok

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Ya	19	52.8	52.8	52.8
	Tidak	17	47.2	47.2	100.0
	Total	36	100.0	100.0	

Dislipidemia

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Ya	7	19.4	19.4	19.4
	Tidak	29	80.6	80.6	100.0
	Total	36	100.0	100.0	

Hipertensi

		Frequency	Percent	Valid Percent	Cumulative Percent
	Ya	23	63.9	63.9	63.9
	Tidak	13	36.1	36.1	100.0
	Total	36	100.0	100.0	

DM Tipe 2

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Ya	10	27.8	27.8	27.8
	Tidak	26	72.2	72.2	100.0
	Total	36	100.0	100.0	

Riwayat Keluarga

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Ya	5	13.9	13.9	13.9
	Tidak	31	86.1	86.1	100.0
	Total	36	100.0	100.0	

Derajat stenosis LMA

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Tidak ada stenosis (0%)	20	55.6	55.6	55.6
	Stenosis minimal (1-24%)	7	19.4	19.4	75.0
	Stenosis ringan (25-49%)	4	11.1	11.1	86.1
	Stenosis sedang (50-69%)	1	2.8	2.8	88.9
	Stenosis berat (70-99%)	4	11.1	11.1	100.0
	Total	36	100.0	100.0	

Derajat stenosis LAD

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Tidak ada stenosis (0%)	4	11.1	11.1	11.1
	Stenosis minimal (1-24%)	5	13.9	13.9	25.0
	Stenosis ringan (25-49%)	5	13.9	13.9	38.9
	Stenosis sedang (50-69%)	4	11.1	11.1	50.0
	Stenosis berat (70-99%)	18	50.0	50.0	100.0
	Total	36	100.0	100.0	

Derajat Stenosis LCx

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Tidak ada stenosis (0%)	15	41.7	41.7	41.7
	Stenosis minimal (1-24%)	9	25.0	25.0	66.7
	Stenosis ringan (25-49%)	6	16.7	16.7	83.3
	Stenosis berat (70-99%)	6	16.7	16.7	100.0
	Total	36	100.0	100.0	

Calcium Score LMA

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Tidak CAD (0)	20	55.6	55.6	55.6
	Minimal (1-10)	5	13.9	13.9	69.4
	Ringan (11-100)	11	30.6	30.6	100.0
	Total	36	100.0	100.0	

Calcium Score LAD

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Tidak CAD (0)	4	11.1	11.1	11.1
	Minimal (1-10)	8	22.2	22.2	33.3
	Ringan (11-100)	12	33.3	33.3	66.7
	Sedang (101-400)	11	30.6	30.6	97.2
	Berat (>400)	1	2.8	2.8	100.0
	Total	36	100.0	100.0	

Calcium Score LCX

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Tidak CAD (0)	16	44.4	44.4	44.4
	Minimal (1-10)	6	16.7	16.7	61.1
	Ringan (11-100)	12	33.3	33.3	94.4
	Sedang (101-400)	2	5.6	5.6	100.0
	Total	36	100.0	100.0	

Uji Normalitas

Descriptives

			Statistic	Std. Error
LMA-LAD	Mean		139.7167	3.80274
	95% Confidence Interval for Mean	Lower Bound	131.9967	
		Upper Bound	147.4366	
	5% Trimmed Mean		140.6716	
	Median		143.0000	
	Variance		520.590	
	Std. Deviation		22.81644	
	Minimum		77.00	
	Maximum		176.00	
	Range		99.00	
	Interquartile Range		34.00	
	Skewness		-.570	.393
	Kurtosis		.061	.768
LMA-LCx	Mean		130.8806	3.72493
	95% Confidence Interval for Mean	Lower Bound	123.3185	
		Upper Bound	138.4426	
	5% Trimmed Mean		133.0080	
	Median		131.5000	
	Variance		499.503	
	Std. Deviation		22.34957	
	Minimum		47.00	
	Maximum		159.00	
	Range		112.00	
	Interquartile Range		26.00	
	Skewness		-1.617	.393
	Kurtosis		4.513	.768
LAD-LCx	Mean		66.6222	3.97072
	95% Confidence Interval for Mean	Lower Bound	58.5612	
		Upper Bound	74.6832	
	5% Trimmed Mean		65.8395	
	Median		66.5000	
	Variance		567.597	
	Std. Deviation		23.82430	
	Minimum		22.00	
	Maximum		132.00	
	Range		110.00	
	Interquartile Range		37.35	
	Skewness		.376	.393
	Kurtosis		.244	.768
ngle	Mean		82.4611	3.37301
	95% Confidence Interval for Mean	Lower Bound	75.6135	
		Upper Bound	89.3087	
	5% Trimmed Mean		82.1667	
	Median		82.0000	

	Variance		409.578	
	Std. Deviation		20.23803	
	Minimum		47.00	
	Maximum		121.00	
	Range		74.00	
	Interquartile Range		27.60	
	Skewness		.441	.393
	Kurtosis		-.626	.768
LMA	Mean		18.9139	4.99903
	95% Confidence Interval for Mean	Lower Bound	8.7653	
		Upper Bound	29.0625	
	5% Trimmed Mean		15.7068	
	Median		.0000	
	Variance		899.651	
	Std. Deviation		29.99418	
	Minimum		.00	
	Maximum		96.00	
	Range		96.00	
	Interquartile Range		26.13	
	Skewness		1.672	.393
	Kurtosis		1.684	.768
LAD	Mean		59.1667	6.05438
	95% Confidence Interval for Mean	Lower Bound	46.8756	
		Upper Bound	71.4577	
	5% Trimmed Mean		60.2407	
	Median		71.2500	
	Variance		1319.599	
	Std. Deviation		36.32628	
	Minimum		.00	
	Maximum		99.00	
	Range		99.00	
	Interquartile Range		69.05	
	Skewness		-.462	.393
	Kurtosis		-1.394	.768
LCX	Mean		25.7833	5.55306
	95% Confidence Interval for Mean	Lower Bound	14.5100	
		Upper Bound	37.0566	
	5% Trimmed Mean		23.2037	
	Median		12.2500	
	Variance		1110.112	
	Std. Deviation		33.31834	
	Minimum		.00	
	Maximum		98.00	
	Range		98.00	
	Interquartile Range		43.95	
	Skewness		1.228	.393
	Kurtosis		.146	.768
	Mean		11.2083	3.21451

	95% Confidence Interval for Mean	Lower Bound	4.6825	
		Upper Bound	17.7341	
	5% Trimmed Mean		8.6080	
	Median		.0000	
	Variance		371.991	
	Std. Deviation		19.28707	
	Minimum		.00	
	Maximum		71.00	
	Range		71.00	
	Interquartile Range		14.00	
	Skewness		2.014	.393
	Kurtosis		3.359	.768
LAD	Mean		103.7133	23.16417
	95% Confidence Interval for Mean	Lower Bound	56.6876	
		Upper Bound	150.7391	
	5% Trimmed Mean		87.4037	
	Median		41.0000	
	Variance		19316.839	
	Std. Deviation		138.98503	
	Minimum		.00	
	Maximum		617.00	
	Range		617.00	
	Interquartile Range		154.60	
	Skewness		1.930	.393
	Kurtosis		4.171	.768
LCx	Mean		21.6389	7.26113
	95% Confidence Interval for Mean	Lower Bound	6.8980	
		Upper Bound	36.3798	
	5% Trimmed Mean		13.9568	
	Median		7.9500	
	Variance		1898.064	
	Std. Deviation		43.56678	
	Minimum		.00	
	Maximum		234.00	
	Range		234.00	
	Interquartile Range		24.70	
	Skewness		3.800	.393
	Kurtosis		16.713	.768

Tests of Normality

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
LMA-LAD	.129	36	.137	.959	36	.194
LMA-LCx	.123	36	.183	.880	36	.001
LAD-LCx	.076	36	.200*	.980	36	.755
Take off angle origin LMA	.116	36	.200*	.954	36	.140
LMA	.296	36	.000	.677	36	.000
LAD	.246	36	.000	.848	36	.000
LCX	.220	36	.000	.757	36	.000
LMA	.281	36	.000	.650	36	.000
LAD	.228	36	.000	.751	36	.000
LCx	.310	36	.000	.527	36	.000

*. This is a lower bound of the true significance.
a. Lilliefors Significance Correction

Hubungan sudut bifurcartio LMA-LAD, LMALCx, LAD-LCx *dan take-off angle origin* LMA dengan derajat stenosis dan calcium score pada LMA,LAD,LCx

Uji Korelasi

Correlations

			LMA-LAD	LMA-LCx	LAD-LCx	Take off angle origin LMA	LMA	LAD	LCX	CS LMA	CS LAD	CS LCx
Spearman's rho	LMA-LAD	Correlation Coefficient	1.000	.236	-.631**	-.174	.341*	.315	.110	.013	.052	.142
		Sig. (2-tailed)	.	.167	.000	.310	.042	.061	.524	.942	.761	.407
		N	36	36	36	36	36	36	36	36	36	36
	LMA-LCx	Correlation Coefficient	.236	1.000	-.462**	-.380*	.130	.285	.297	-.065	.055	.205
		Sig. (2-tailed)	.167	.	.005	.022	.451	.092	.079	.705	.752	.231
		N	36	36	36	36	36	36	36	36	36	36
	LAD-LCx	Correlation Coefficient	-.631**	-.462**	1.000	.058	-.122	-.270	-.242	.084	-.133	-.175
		Sig. (2-tailed)	.000	.005	.	.739	.479	.111	.156	.626	.438	.307
		N	36	36	36	36	36	36	36	36	36	36
	Take off angle origin LMA	Correlation Coefficient	-.174	-.380*	.058	1.000	-.390*	.110	.108	-.177	.111	.093
		Sig. (2-tailed)	.310	.022	.739	.	.019	.523	.531	.300	.519	.590
		N	36	36	36	36	36	36	36	36	36	36
	LMA	Correlation Coefficient	.341*	.130	-.122	-.390*	1.000	.310	.321	.621**	.107	.214
		Sig. (2-tailed)	.042	.451	.479	.019	.	.066	.056	.000	.534	.211
		N	36	36	36	36	36	36	36	36	36	36
	LAD	Correlation Coefficient	.315	.285	-.270	.110	.310	1.000	.472**	.203	.609**	.303

		Sig. (2-tailed)	.061	.092	.111	.523	.066	.	.004	.234	.000	.073
		N	36	36	36	36	36	36	36	36	36	36
	LCX	Correlation Coefficient	.110	.297	-.242	.108	.321	.472**	1.000	.354*	.345*	.780**
		Sig. (2-tailed)	.524	.079	.156	.531	.056	.004	.	.034	.039	.000
		N	36	36	36	36	36	36	36	36	36	36
	CS LMA	Correlation Coefficient	.013	-.065	.084	-.177	.621**	.203	.354*	1.000	.316	.263
		Sig. (2-tailed)	.942	.705	.626	.300	.000	.234	.034	.	.060	.121
		N	36	36	36	36	36	36	36	36	36	36
	CS LAD	Correlation Coefficient	.052	.055	-.133	.111	.107	.609**	.345*	.316	1.000	.366*
		Sig. (2-tailed)	.761	.752	.438	.519	.534	.000	.039	.060	.	.028
		N	36	36	36	36	36	36	36	36	36	36
	CS LCx	Correlation Coefficient	.142	.205	-.175	.093	.214	.303	.780**	.263	.366*	1.000
		Sig. (2-tailed)	.407	.231	.307	.590	.211	.073	.000	.121	.028	.
		N	36	36	36	36	36	36	36	36	36	36

**. Correlation is significant at the 0.01 level (2-tailed).
*. Correlation is significant at the 0.05 level (2-tailed).

Perbandingan besar sudut bifurcatio LMA-LAD, LMA-LCx dan LAD-LCx dengan derajat stenosis LMA, LAD, LCx

UJI NORMALITAS
Derajat stenosis LMA

Tests of Normality[c,d,e,f]

		Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Derajat stenosis LMA	Statistic	df	Sig.	Statistic	df	Sig.
LMA-LAD	Tidak ada stenosis (0%)	.093	20	.200*	.970	20	.749
	Stenosis minimal (1-24%)	.185	7	.200*	.952	7	.747
	Stenosis ringan (25-49%)	.196	4	.	.989	4	.953
	Stenosis berat (70-99%)	.402	4	.	.697	4	.011
LMA-LCx	Tidak ada stenosis (0%)	.186	20	.068	.875	20	.015
	Stenosis minimal (1-24%)	.230	7	.200*	.889	7	.271
	Stenosis ringan (25-49%)	.288	4	.	.868	4	.288
	Stenosis berat (70-99%)	.170	4	.	.985	4	.933
LAD-LCx	Tidak ada stenosis (0%)	.141	20	.200*	.924	20	.119
	Stenosis minimal (1-24%)	.262	7	.160	.854	7	.134
	Stenosis ringan (25-49%)	.240	4	.	.917	4	.520
	Stenosis berat (70-99%)	.366	4	.	.768	4	.056
Take off origin LMA	Tidak ada stenosis (0%)	.139	20	.200*	.935	20	.189
	Stenosis minimal (1-24%)	.236	7	.200*	.917	7	.448
	Stenosis ringan (25-49%)	.173	4	.	.978	4	.892
	Stenosis berat (70-99%)	.223	4	.	.939	4	.648

*. This is a lower bound of the true significance.
; Significance Correction
D is constant when Derajat stenosis LMA = Stenosis sedang (50-69%). It has been omitted.
:x is constant when Derajat stenosis LMA = Stenosis sedang (50-69%). It has been omitted.
x is constant when Derajat stenosis LMA = Stenosis sedang (50-69%). It has been omitted.
origin LMA is constant when Derajat stenosis LMA = Stenosis sedang (50-69%). It has
ed.

UJI NORMALITAS

Derajat stenosis LAD

Tests of Normality

	Derajat stenosis LAD	Kolmogorov-Smirnov[a] Statistic	df	Sig.	Shapiro-Wilk Statistic	df	Sig.
LMA-LAD	Tidak ada stenosis (0%)	.141	4	.	.997	4	.991
	Stenosis minimal (1-24%)	.217	5	.200*	.906	5	.444
	Stenosis ringan (25-49%)	.280	5	.200*	.876	5	.290
	Stenosis sedang (50-69%)	.186	4	.	.971	4	.847
	Stenosis berat (70-99%)	.216	18	.027	.918	18	.121
LMA-LCx	Tidak ada stenosis (0%)	.214	4	.	.933	4	.610
	Stenosis minimal (1-24%)	.224	5	.200*	.942	5	.681
	Stenosis ringan (25-49%)	.184	5	.200*	.968	5	.864
	Stenosis sedang (50-69%)	.315	4	.	.833	4	.175
	Stenosis berat (70-99%)	.152	18	.200*	.931	18	.204
LAD-LCx	Tidak ada stenosis (0%)	.279	4	.	.837	4	.188
	Stenosis minimal (1-24%)	.201	5	.200*	.971	5	.882
	Stenosis ringan (25-49%)	.204	5	.200*	.919	5	.524
	Stenosis sedang (50-69%)	.305	4	.	.920	4	.538
	Stenosis berat (70-99%)	.110	18	.200*	.957	18	.554
Take off origin LMA	Tidak ada stenosis (0%)	.237	4	.	.936	4	.628
	Stenosis minimal (1-24%)	.221	5	.200*	.944	5	.697
	Stenosis ringan (25-49%)	.203	5	.200*	.941	5	.674
	Stenosis sedang (50-69%)	.189	4	.	.964	4	.802
	Stenosis berat (70-99%)	.136	18	.200*	.939	18	.275

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

a. Lilliefors Significance Correction

UJI NORMALITAS
Derajat Stenosis LCX

Tests of Normality

	Derajat Stenosis LCX	Kolmogorov-Smirnov[a] Statistic	df	Sig.	Shapiro-Wilk Statistic	df	Sig.
LMA-LAD	Tidak ada stenosis (0%)	.125	15	.200*	.946	15	.463
	Stenosis minimal (1-24%)	.188	9	.200*	.923	9	.417
	Stenosis ringan (25-49%)	.227	6	.200*	.921	6	.514
	Stenosis berat (70-99%)	.274	6	.179	.814	6	.079
LMA-LCx	Tidak ada stenosis (0%)	.184	15	.184	.837	15	.012
	Stenosis minimal (1-24%)	.243	9	.134	.890	9	.201
	Stenosis ringan (25-49%)	.252	6	.200*	.891	6	.325
	Stenosis berat (70-99%)	.212	6	.200*	.880	6	.267
LAD-LCx	Tidak ada stenosis (0%)	.153	15	.200*	.938	15	.360
	Stenosis minimal (1-24%)	.227	9	.199	.930	9	.484
	Stenosis ringan (25-49%)	.274	6	.177	.859	6	.185
	Stenosis berat (70-99%)	.169	6	.200*	.962	6	.832
Take off origin LMA	Tidak ada stenosis (0%)	.130	15	.200*	.935	15	.320
	Stenosis minimal (1-24%)	.259	9	.083	.862	9	.101
	Stenosis ringan (25-49%)	.226	6	.200*	.901	6	.379
	Stenosis berat (70-99%)	.199	6	.200*	.936	6	.624

*. This is a lower bound of the true significance.
a. Lilliefors Significance Correction

Derajat stenosis LMA
One way Anova

Descriptives

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean Lower Bound	Upper Bound	Minimum	Maximum
LMA-LAD	Tidak ada stenosis (0%)	20	0.8800	25.35060	5.66857	121.6756	145.4044	77.00	174.00
	Stenosis minimal (1-24%)	7	143.5714	12.84013	4.85311	131.6963	155.4466	126.00	163.00
	Stenosis ringan (25-49%)	4	151.0000	22.01515	11.00757	115.9690	186.0310	123.00	176.00
	Stenosis sedang (50-69%)	1	164.0000	.	.	.	.	164.00	164.00
	Stenosis berat (70-99%)	4	146.5000	21.73323	10.86662	111.9176	181.0824	114.00	159.00
	al	36	139.7167	22.81644	3.80274	131.9967	147.4366	77.00	176.00
	ak ada nosis (0%)	20	126.1500	25.71364	5.74974	114.1156	138.1844	47.00	159.00
	nosis minimal 24%)	7	141.8429	14.88420	5.62570	128.0773	155.6084	112.40	157.50

	Stenosis ringan (25-49%)	4	141.0000	13.78405	6.89202	119.0665	162.9335	129.00	157.00
	Stenosis sedang (50-69%)	1	123.0000	.	.	.	.	123.00	123.00
	Stenosis berat (70-99%)	4	127.2000	20.05060	10.02530	95.2950	159.1050	104.00	150.00
	Total	36	130.8806	22.34957	3.72493	123.3185	138.4426	47.00	159.00
LAD-LCx	Tidak ada stenosis (0%)	20	68.9000	25.95910	5.80463	56.7508	81.0492	32.00	132.00
	Stenosis minimal (1-24%)	7	60.0857	12.19514	4.60933	48.8071	71.3643	46.50	75.00
	Stenosis ringan (25-49%)	4	73.2500	38.43067	19.21534	12.0982	134.4018	22.00	107.00
	Stenosis sedang (50-69%)	1	61.0000	.	.	.	.	61.00	61.00
	Stenosis berat (70-99%)	4	61.4500	18.45743	9.22871	32.0801	90.8199	49.00	88.80
	Total	36	66.6222	23.82430	3.97072	58.5612	74.6832	22.00	132.00
Take off origin LMA	Tidak ada stenosis (0%)	20	89.9500	19.87242	4.44361	80.6494	99.2506	61.00	121.00
	Stenosis minimal (1-24%)	7	75.5857	19.74094	7.46137	57.3284	93.8430	52.00	113.00
	Stenosis ringan (25-49%)	4	68.0000	20.11633	10.05816	35.9904	100.0096	47.00	94.00
	Stenosis sedang (50-69%)	1	66.0000	.	.	.	.	66.00	66.00
	Stenosis berat (70-99%)	4	75.6250	13.32526	6.66263	54.4215	96.8285	58.00	88.00
	Total	36	82.4611	20.23803	3.37301	75.6135	89.3087	47.00	121.00

ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
LAD-LCx	Between Groups	717.174	4	179.293	.290	.882
	Within Groups	19148.729	31	617.701		
	Total	19865.902	35			
Take off origin LMA	Between Groups	2746.959	4	686.740	1.837	.147
	Within Groups	11588.266	31	373.815		
	Total	14335.226	35			

NPar Tests
Kruskal-Wallis Test

Ranks

	Derajat stenosis LMA	N	Mean Rank
LMA-LAD	Tidak ada stenosis (0%)	20	15.73
	Stenosis minimal (1-24%)	7	19.71
	Stenosis ringan (25-49%)	4	23.00
	Stenosis sedang (50-69%)	1	33.00
	Stenosis berat (70-99%)	4	22.13
	Total	36	
LMA-LCx	Tidak ada stenosis (0%)	20	16.55
	Stenosis minimal (1-24%)	7	24.36
	Stenosis ringan (25-49%)	4	23.38
	Stenosis sedang (50-69%)	1	11.00
	Stenosis berat (70-99%)	4	15.00
	Total	36	

Test Statistics[a,b]

	LMA-LAD	LMA-LCx
Kruskal-Wallis H	4.582	4.658
df	4	4
Asymp. Sig.	.333	.324

a. Kruskal Wallis Test
b. Grouping Variable: Derajat stenosis LMA

Derajat stenosis LAD
Oneway ANOVA

Descriptives

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean Lower Bound	95% Confidence Interval for Mean Upper Bound	Minimum	Maximum
LMA-LAD	Tidak ada stenosis (0%)	4	143.0000	25.37716	12.68858	102.6193	183.3807	114.00	174.00
	Stenosis minimal (1-24%)	5	132.2000	20.11716	8.99667	107.2213	157.1787	113.00	159.00
	Stenosis ringan (25-49%)	5	128.2000	19.69010	8.80568	103.7515	152.6485	111.00	157.00
	Stenosis sedang (50-69%)	4	120.4500	42.71311	21.35656	52.4839	188.4161	77.00	176.00
	Stenosis berat (70-99%)	18	148.5556	14.88375	3.50813	141.1540	155.9571	123.00	172.00
	Total	36	139.7167	22.81644	3.80274	131.9967	147.4366	77.00	176.00
LMA-LCx	Tidak ada stenosis (0%)	4	118.9500	23.03931	11.51966	82.2893	155.6107	87.80	140.00
	Stenosis minimal (1-24%)	5	125.7600	6.51061	2.91163	117.6760	133.8440	118.80	136.00
	Stenosis ringan (25-49%)	5	136.0400	18.56631	8.30311	112.9869	159.0931	108.20	157.00
	Stenosis sedang (50-69%)	4	120.7500	50.70421	25.35210	40.0683	201.4317	47.00	159.00
	Stenosis berat (70-99%)	18	135.7722	17.07126	4.02374	127.2829	144.2616	104.00	157.50
	Total	36	130.8806	22.34957	3.72493	123.3185	138.4426	47.00	159.00
LAD-LCx	Tidak ada stenosis (0%)	4	58.8750	24.91444	12.45722	19.2306	98.5194	34.00	82.50
	Stenosis minimal (1-24%)	5	71.1600	15.01426	6.71458	52.5173	89.8027	49.00	88.80
	Stenosis ringan (25-49%)	5	79.6800	17.69497	7.91343	57.7088	101.6512	63.00	107.00
	Stenosis sedang (50-69%)	4	84.2750	45.69284	22.84642	11.5675	156.9825	22.00	132.00
	Stenosis berat (70-99%)	18	59.5333	19.15795	4.51557	50.0063	69.0604	32.00	98.00
	Total	36	66.6222	23.82430	3.97072	58.5612	74.6832	22.00	132.00
Take off	Tidak ada stenosis (0%)	4	76.9500	15.71443	7.85722	51.9448	101.9552	61.00	95.00
	nosis minimal 24%)	5	85.9000	10.53803	4.71275	72.8153	98.9847	73.00	102.00
	nosis ringan -49%)	5	65.1200	9.49589	4.24669	53.3293	76.9107	52.00	75.00
	nosis sedang -69%)	4	81.6500	19.54235	9.77117	50.5538	112.7462	62.20	107.40

	Stenosis berat (70-99%)	18	87.7278	23.58676	5.55945	75.9984	99.4572	47.00	121.00
	Total	36	82.4611	20.23803	3.37301	75.6135	89.3087	47.00	121.00

ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
LMA-LAD	Between Groups	3879.876	4	969.969	2.097	.105
	Within Groups	14340.774	31	462.606		
	Total	18220.650	35			
LMA-LCx	Between Groups	1674.776	4	418.694	.821	.522
	Within Groups	15807.840	31	509.930		
	Total	17482.616	35			
LAD-LCx	Between Groups	3346.587	4	836.647	1.570	.207
	Within Groups	16519.315	31	532.881		
	Total	19865.902	35			
Take off origin LMA	Between Groups	2186.101	4	546.525	1.395	.259
	Within Groups	12149.124	31	391.907		
	Total	14335.226	35			

Derajat stenosis LCx

Oneway

Descriptives

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean Lower Bound	95% Confidence Interval for Mean Upper Bound	Minimum	Maximum
LMA-LAD	Tidak ada stenosis (0%)	15	136.8667	24.82472	6.40971	123.1192	150.6141	77.00	174.00
	Stenosis minimal (1-24%)	9	143.0556	24.59477	8.19826	124.1503	161.9608	111.00	176.00
	Stenosis ringan (25-49%)	6	137.9667	24.92883	10.17715	111.8055	164.1279	99.80	164.00
	Stenosis berat (70-99%)	6	143.5833	16.22472	6.62372	126.5565	160.6101	114.00	156.00
	Total	36	139.7167	22.81644	3.80274	131.9967	147.4366	77.00	176.00
LMA-LCx	Tidak ada stenosis (0%)	15	120.8800	25.87330	6.68046	106.5518	135.2082	47.00	150.00
	Stenosis minimal (1-24%)	9	140.7000	14.96362	4.98787	129.1979	152.2021	118.80	157.50
	Stenosis ringan (25-49%)	6	140.1667	14.72979	6.01341	124.7087	155.6246	123.00	159.00
	Stenosis berat (70-99%)	6	131.8667	21.64871	8.83805	109.1477	154.5856	104.00	154.00
	Total	36	130.8806	22.34957	3.72493	123.3185	138.4426	47.00	159.00
LAD-LCx	Tidak ada stenosis (0%)	15	72.7533	25.81635	6.66575	58.4567	87.0500	34.00	132.00
	Stenosis minimal (1-24%)	9	59.5889	22.39188	7.46396	42.3770	76.8008	22.00	88.80
	Stenosis ringan (25-49%)	6	72.3500	24.21766	9.88682	46.9351	97.7649	43.00	98.00
	Stenosis berat (70-99%)	6	56.1167	18.56539	7.57929	36.6335	75.5998	32.00	86.40
	[illegible]al	36	66.6222	23.82430	3.97072	58.5612	74.6832	22.00	132.00
	[illegible]ak ada [illegible]nosis (0%)	15	81.0733	21.51884	5.55614	69.1566	92.9901	52.00	121.00
	[illegible]nosis minimal [illegible]24%)	9	86.4889	17.23495	5.74498	73.2409	99.7368	67.60	115.00
	[illegible]nosis ringan [illegible]-49%)	6	76.6000	24.11738	9.84588	51.2904	101.9096	47.00	107.40

	Stenosis berat (70-99%)	6	85.7500	20.60036	8.41006	64.1312	107.3688	62.00	121.00
	Total	36	82.4611	20.23803	3.37301	75.6135	89.3087	47.00	121.00

ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
LMA-LAD	Between Groups	330.253	3	110.084	.197	.898
	Within Groups	17890.397	32	559.075		
	Total	18220.650	35			
LAD-LCx	Between Groups	1868.113	3	622.704	1.107	.361
	Within Groups	17997.790	32	562.431		
	Total	19865.902	35			
Take off origin LMA	Between Groups	445.912	3	148.637	.342	.795
	Within Groups	13889.313	32	434.041		
	Total	14335.226	35			

NPar Tests
Kruskal-Wallis Test

Ranks

	Derajat Stenosis LCX	N	Mean Rank
LMA-LCx	Tidak ada stenosis (0%)	15	13.97
	Stenosis minimal (1-24%)	9	22.94
	Stenosis ringan (25-49%)	6	22.92
	Stenosis berat (70-99%)	6	18.75
	Total	36	

Test Statistics[a,b]

	LMA-LCx
Kruskal-Wallis H	5.442
df	3
Asymp. Sig.	.142

a. Kruskal Wallis Test
b. Grouping Variable: Derajat Stenosis LCX

Perbandingan besar sudut bifurcatio LMA-LAD, LMA-LCx dan LAD-LCx dengan Calcium Score LMA, LAD, LCx

UJI NORMALITAS
Calcium Score LMA

Tests of Normality

		Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Calcium Score LMA	Statistic	df	Sig.	Statistic	df	Sig.
LMA-LAD	Tidak CAD (0)	.133	20	.200*	.950	20	.373
	Minimal (1-10)	.222	5	.200*	.922	5	.543
	Ringan (11-100)	.226	11	.123	.889	11	.136
LMA-LCx	Tidak CAD (0)	.204	20	.029	.848	20	.005
	Minimal (1-10)	.248	5	.200*	.952	5	.748
	Ringan (11-100)	.117	11	.200*	.956	11	.726
LAD-LCx	Tidak CAD (0)	.115	20	.200*	.935	20	.196
	Minimal (1-10)	.309	5	.134	.896	5	.386
	Ringan (11-100)	.197	11	.200*	.887	11	.129
Take off origin LMA	Tidak CAD (0)	.124	20	.200*	.929	20	.148
	Minimal (1-10)	.213	5	.200*	.973	5	.893
	Ringan (11-100)	.167	11	.200*	.938	11	.501

*. This is a lower bound of the true significance.
a. Lilliefors Significance Correction

UJI NORMALITAS
Calcium Score LAD

Tests of Normality[c,d,e,f]

		Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Calcium Score LAD	Statistic	df	Sig.	Statistic	df	Sig.
LMA-LAD	Tidak CAD (0)	.141	4	.	.997	4	.991
	Minimal (1-10)	.253	8	.140	.906	8	.327
	Ringan (11-100)	.217	12	.126	.811	12	.012
	Sedang (101-400)	.179	11	.200*	.939	11	.514
LMA-LCx	Tidak CAD (0)	.214	4	.	.933	4	.610
	Minimal (1-10)	.198	8	.200*	.915	8	.387
	Ringan (11-100)	.286	12	.008	.766	12	.004
	Sedang (101-400)	.173	11	.200*	.947	11	.609
LAD-LCx	Tidak CAD (0)	.279	4	.	.837	4	.188
	Minimal (1-10)	.229	8	.200*	.802	8	.030
	Ringan (11-100)	.159	12	.200*	.921	12	.293
	Sedang (101-400)	.127	11	.200*	.957	11	.738
Take off origin LMA	Tidak CAD (0)	.237	4	.	.936	4	.628
	Minimal (1-10)	.123	8	.200*	.995	8	1.000
	Ringan (11-100)	.162	12	.200*	.921	12	.296
	Sedang (101-400)	.223	11	.132	.849	11	.042

lower bound of the true significance.
Significance Correction
D is constant when Calcium Score LAD = Berat (>400). It has been omitted.
x is constant when Calcium Score LAD = Berat (>400). It has been omitted.

e. LAD-LCx is constant when Calcium Score LAD = Berat (>400). It has been omitted.
f. Take off origin LMA is constant when Calcium Score LAD = Berat (>400). It has been omitted.

UJI NORMALITAS
Calcium Score LCX

Tests of Normality

		Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Calcium Score LCX	Statistic	df	Sig.	Statistic	df	Sig.
LMA-LAD	Tidak CAD (0)	.129	16	.200*	.940	16	.345
	Minimal (1-10)	.169	6	.200*	.970	6	.890
	Ringan (11-100)	.156	12	.200*	.934	12	.429
	Sedang (101-400)	.260	2	.			
LMA-LCx	Tidak CAD (0)	.170	16	.200*	.870	16	.027
	Minimal (1-10)	.174	6	.200*	.903	6	.393
	Ringan (11-100)	.205	12	.174	.939	12	.479
	Sedang (101-400)	.260	2	.			
LAD-LCx	Tidak CAD (0)	.145	16	.200*	.939	16	.342
	Minimal (1-10)	.318	6	.058	.865	6	.206
	Ringan (11-100)	.226	12	.092	.881	12	.089
	Sedang (101-400)	.260	2	.			
Take off origin LMA	Tidak CAD (0)	.127	16	.200*	.941	16	.359
	Minimal (1-10)	.176	6	.200*	.975	6	.926
	Ringan (11-100)	.170	12	.200*	.918	12	.271
	Sedang (101-400)	.260	2	.			

*. This is a lower bound of the true significance.
a. Lilliefors Significance Correction

Calcium LMA
Oneway

Descriptives

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean Lower Bound	95% Confidence Interval for Mean Upper Bound	Minimum	Maximum
LMA-LAD	Tidak CAD (0)	20	137.5900	26.14119	5.84535	125.3555	149.8245	77.00	174.00
	Minimal (1-10)	5	147.2000	22.99348	10.28300	118.6498	175.7502	123.00	176.00
	Ringan (11-100)	11	140.1818	16.58052	4.99921	129.0429	151.3208	114.00	159.00
	Total	36	139.7167	22.81644	3.80274	131.9967	147.4366	77.00	176.00
LMA-LCx	Tidak CAD (0)	20	128.2900	25.86438	5.78345	116.1851	140.3949	47.00	159.00
	Minimal (1-10)	5	144.0000	10.55936	4.72229	130.8888	157.1112	130.00	157.00
	gan (11-)	11	129.6273	18.20484	5.48897	117.3971	141.8575	104.00	157.50
	al	36	130.8806	22.34957	3.72493	123.3185	138.4426	47.00	159.00
	ak CAD	20	65.8800	25.47999	5.69750	53.9550	77.8050	32.00	132.00

	Minimal (1-10)	5	63.4000	27.07028	12.10620	29.7878	97.0122	22.00	98.00
	Ringan (11-100)	11	69.4364	21.09333	6.35988	55.2657	83.6071	46.50	107.00
	Total	36	66.6222	23.82430	3.97072	58.5612	74.6832	22.00	132.00
Take off origin LMA	Tidak CAD (0)	20	86.6500	20.55666	4.59661	77.0292	96.2708	58.00	121.00
	Minimal (1-10)	5	79.2000	25.17340	11.25789	47.9431	110.4569	47.00	113.00
	Ringan (11-100)	11	76.3273	17.18576	5.18170	64.7817	87.8728	52.00	115.00
	Total	36	82.4611	20.23803	3.37301	75.6135	89.3087	47.00	121.00

ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
LMA-LAD	Between Groups	372.836	2	186.418	.345	.711
	Within Groups	17847.814	33	540.843		
	Total	18220.650	35			
LAD-LCx	Between Groups	150.045	2	75.022	.126	.882
	Within Groups	19715.857	33	597.450		
	Total	19865.902	35			
Take off origin LMA	Between Groups	817.974	2	408.987	.998	.379
	Within Groups	13517.252	33	409.614		
	Total	14335.226	35			

NPar Tests
Kruskal-Wallis Test

Ranks

	Calcium Score LMA	N	Mean Rank
LMA-LCx	Tidak CAD (0)	20	17.83
	Minimal (1-10)	5	25.40
	Ringan (11-100)	11	16.59
	Total	36	

Test Statistics[a,b]

	LMA-LCx
Kruskal-Wallis H	2.591
df	2
Asymp. Sig.	.274

a. Kruskal Wallis Test
b. Grouping Variable: Calcium Score LMA

Calcium LAD

Oneway

Descriptives

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean Lower Bound	95% Confidence Interval for Mean Upper Bound	Minimum	Maximum
LMA-LAD	Tidak CAD (0)	4	143.0000	25.37716	12.68858	102.6193	183.3807	114.00	174.00
	Minimal (1-10)	8	136.3750	22.52578	7.96407	117.5430	155.2070	113.00	176.00
	Ringan (11-100)	12	137.9583	25.39010	7.32949	121.8262	154.0904	77.00	159.00
	Sedang (101-400)	11	141.4818	22.82134	6.88089	126.1502	156.8134	99.80	172.00
	Berat (>400)	1	155.0000	.	.	.	.	155.00	155.00
	Total	36	139.7167	22.81644	3.80274	131.9967	147.4366	77.00	176.00
LMA-LCx	Tidak CAD (0)	4	118.9500	23.03931	11.51966	82.2893	155.6107	87.80	140.00
	Minimal (1-10)	8	133.4750	18.88247	6.67596	117.6889	149.2611	108.00	159.00
	Ringan (11-100)	12	130.5583	29.98598	8.65621	111.5062	149.6105	47.00	157.50
	Sedang (101-400)	11	136.1273	13.61537	4.10519	126.9803	145.2742	112.40	154.00
	Berat (>400)	1	104.0000	.	.	.	.	104.00	104.00
	Total	36	130.8806	22.34957	3.72493	123.3185	138.4426	47.00	159.00
LAD-LCx	Tidak CAD (0)	4	58.8750	24.91444	12.45722	19.2306	98.5194	34.00	82.50
	Minimal (1-10)	8	76.2875	24.30881	8.59446	55.9648	96.6102	22.00	98.00
	Ringan (11-100)	12	68.4083	28.66865	8.27593	50.1931	86.6235	32.00	132.00
	Sedang (101-400)	11	61.4273	18.41489	5.55230	49.0560	73.7986	33.00	90.60
	Berat (>400)	1	56.0000	.	.	.	.	56.00	56.00
	Total	36	66.6222	23.82430	3.97072	58.5612	74.6832	22.00	132.00
Take off origin LMA	Tidak CAD (0)	4	76.9500	15.71443	7.85722	51.9448	101.9552	61.00	95.00
	Minimal (1-10)	8	83.5875	23.06243	8.15380	64.3068	102.8682	47.00	120.00
	Ringan (11-100)	12	82.1583	23.17159	6.68906	67.4358	96.8809	52.00	121.00
	Sedang (101-400)	11	83.4727	19.46906	5.87014	70.3932	96.5522	62.00	115.00
	Berat (>400)	1	88.0000	.	.	.	.	88.00	88.00
	Total	36	82.4611	20.23803	3.37301	75.6135	89.3087	47.00	121.00

NPar Tests

Kruskal-Wallis Test

Ranks

	Calcium Score LAD	N	Mean Rank
LMA-LAD	Tidak CAD (0)	4	19.25
	Minimal (1-10)	8	16.19
	Ringan (11-100)	12	18.17
	Sedang (101-400)	11	19.68
	Berat (>400)	1	25.00
	Total	36	
LMA-LCx	Tidak CAD (0)	4	12.88
	Minimal (1-10)	8	18.44
	Ringan (11-100)	12	20.13
	Sedang (101-400)	11	20.23
	Berat (>400)	1	3.00
	Total	36	
LAD-LCx	Tidak CAD (0)	4	15.63
	Minimal (1-10)	8	24.50
	Ringan (11-100)	12	17.96
	Sedang (101-400)	11	16.27
	Berat (>400)	1	13.00
	Total	36	
Take off origin LMA	Tidak CAD (0)	4	15.75
	Minimal (1-10)	8	19.63
	Ringan (11-100)	12	18.08
	Sedang (101-400)	11	18.50
	Berat (>400)	1	25.50
	Total	36	

Test Statistics[a,b]

	LMA-LAD	LMA-LCx	LAD-LCx	Take off origin LMA
Kruskal-Wallis H	.938	3.890	3.690	.824
df	4	4	4	4
Asymp. Sig.	.919	.421	.450	.935

a. Kruskal Wallis Test

b. Grouping Variable: Calcium Score LAD

Calcium LCx

Oneway

Descriptives

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean Lower Bound	95% Confidence Interval for Mean Upper Bound	Minimum	Maximum
LMA-LAD	Tidak CAD (0)	16	137.8438	24.29933	6.07483	124.8956	150.7919	77.00	174.00
	Minimal (1-10)	6	133.1667	16.43675	6.71027	115.9174	150.4160	111.00	155.00
	Ringan (11-100)	12	142.8167	25.31409	7.30755	126.7329	158.9005	99.80	176.00
	Sedang (101-400)	2	155.7500	4.59619	3.25000	114.4548	197.0452	152.50	159.00
	Total	36	139.7167	22.81644	3.80274	131.9967	147.4366	77.00	176.00
LMA-LCx	Tidak CAD (0)	16	123.1688	26.61979	6.65495	108.9841	137.3534	47.00	157.50
	Minimal (1-10)	6	138.1667	19.89389	8.12164	117.2893	159.0440	104.00	157.00
	Ringan (11-100)	12	135.1667	16.02086	4.62482	124.9875	145.3458	108.20	159.00
	Sedang (101-400)	2	145.0000	12.72792	9.00000	30.6442	259.3558	136.00	154.00
	Total	36	130.8806	22.34957	3.72493	123.3185	138.4426	47.00	159.00
LAD-LCx	Tidak CAD (0)	16	71.1125	25.79010	6.44752	57.3699	84.8551	34.00	132.00
	Minimal (1-10)	6	66.3333	17.07239	6.96978	48.4170	84.2497	48.00	98.00
	Ringan (11-100)	12	63.7750	25.87558	7.46964	47.3344	80.2156	22.00	92.50
	Sedang (101-400)	2	48.6500	.49497	.35000	44.2028	53.0972	48.30	49.00
	Total	36	66.6222	23.82430	3.97072	58.5612	74.6832	22.00	132.00
Take off origin LMA	Tidak CAD (0)	16	81.4625	20.84738	5.21184	70.3537	92.5713	52.00	121.00
	Minimal (1-10)	6	78.6000	24.09979	9.83870	53.3088	103.8912	47.00	113.00
	Ringan (11-100)	12	87.1750	19.97062	5.76502	74.4863	99.8637	62.20	121.00
	Sedang (101-400)	2	73.7500	1.06066	.75000	64.2203	83.2797	73.00	74.50
	Total	36	82.4611	20.23803	3.37301	75.6135	89.3087	47.00	121.00

ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
LMA-LAD	Between Groups	942.996	3	314.332	.582	.631
	Within Groups	17277.654	32	539.927		
	Total	18220.650	35			
LAD-LCx	Between Groups	1066.384	3	355.461	.605	.617
	Within Groups	18799.518	32	587.485		
	Total	19865.902	35			
Take off origin LMA	Between Groups	523.821	3	174.607	.405	.751
	Within Groups	13811.405	32	431.606		
	Total	14335.226	35			

NPar Tests
Kruskal-Wallis Test

Ranks

	Calcium Score LCX	N	Mean Rank
LMA-LCx	Tidak CAD (0)	16	15.28
	Minimal (1-10)	6	22.25
	Ringan (11-100)	12	19.67
	Sedang (101-400)	2	26.00
	Total	36	

Test Statistics[a,b]

	LMA-LCx
Kruskal-Wallis H	3.418
df	3
Asymp. Sig.	.332

a. Kruskal Wallis Test
b. Grouping Variable: Calcium Score LCX

Perbandingan faktor risiko terhadap derajat stenosis dan Calcium Score LMA, LAD, LCx

Mann-Whitney Test

Ranks

	Jenis kelamin (perempuan)	N	Mean Rank	Sum of Ranks
Derajat stenosis LMA	Laki-laki	24	16.63	399.00
	Perempuan	12	22.25	267.00
	Total	36		
Derajat stenosis LAD	Laki-laki	24	20.10	482.50
	Perempuan	12	15.29	183.50
	Total	36		
Derajat Stenosis LCX	Laki-laki	24	20.13	483.00
	Perempuan	12	15.25	183.00
	Total	36		
Calcium Score LMA	Laki-laki	24	18.33	440.00
	Perempuan	12	18.83	226.00
	Total	36		
Calcium Score LAD	Laki-laki	24	22.23	533.50
	Perempuan	12	11.04	132.50
	Total	36		
Calcium Score LCX	Laki-laki	24	20.83	500.00
	Perempuan	12	13.83	166.00
	Total	36		

Group Statistics

	Jenis kelamin (perempuan)	N	Mean	Std. Deviation	Std. Error Mean
Derajat stenosis LMA	Laki-laki	24	16.8042	31.25247	6.37938
	Perempuan	12	23.1333	28.12767	8.11976
Derajat stenosis LAD	Laki-laki	24	64.4250	33.48990	6.83610
	Perempuan	12	48.6500	40.89784	11.80619
Derajat Stenosis LCX	Laki-laki	24	31.3958	35.57678	7.26208
	Perempuan	12	18.3083	30.82300	8.89783
Calcium Score LMA	Laki-laki	24	14.0417	22.80442	4.65493
	Perempuan	12	5.5417	6.61080	1.90837
Calcium Score LAD	Laki-laki	24	136.4367	149.62957	30.54301
	Perempuan	12	38.2667	87.40885	25.23276
Calcium Score LCX	Laki-laki	24	29.4875	51.45312	10.50282
	Perempuan	12	5.9417	10.02837	2.89494

Test Statistics[a]

	Derajat stenosis LMA	Derajat stenosis LAD	Derajat Stenosis LCX	Calcium Score LMA	Calcium Score LAD	Calcium Score LCX
Mann-Whitney U	99.000	105.500	105.000	140.000	54.500	88.000
Wilcoxon W	399.000	183.500	183.000	440.000	132.500	166.000
Z	-1.659	-1.298	-1.359	-.147	-3.007	-1.968
Asymp. Sig. (2-tailed)	.097	.194	.174	.883	.003	.049
Exact Sig. [2*(1-tailed Sig.)]	.137[b]	.199[b]	.199[b]	.908[b]	.002[b]	.062[b]

a. Grouping Variable: Jenis kelamin (perempuan)

ected for ties.

Mann-Whitney Test

Ranks

	Merokok	N	Mean Rank	Sum of Ranks
Derajat stenosis LMA	Ya	19	16.34	310.50
	Tidak	17	20.91	355.50
	Total	36		
Derajat stenosis LAD	Ya	19	21.47	408.00
	Tidak	17	15.18	258.00
	Total	36		
Derajat Stenosis LCX	Ya	19	20.55	390.50
	Tidak	17	16.21	275.50
	Total	36		
Calcium Score LMA	Ya	19	18.47	351.00
	Tidak	17	18.53	315.00
	Total	36		
Calcium Score LAD	Ya	19	22.89	435.00
	Tidak	17	13.59	231.00
	Total	36		
Calcium Score LCX	Ya	19	21.34	405.50
	Tidak	17	15.32	260.50
	Total	36		

Group Statistics

	Merokok	N	Mean	Std. Deviation	Std. Error Mean
Derajat stenosis LMA	Ya	19	15.4895	29.30876	6.72389
	Tidak	17	22.7412	31.17882	7.56197
Derajat stenosis LAD	Ya	19	70.0105	31.14671	7.14555
	Tidak	17	47.0471	38.72386	9.39192
Derajat Stenosis LCX	Ya	19	34.2895	38.47686	8.82720
	Tidak	17	18.9235	27.57407	6.68769
Calcium Score LMA	Ya	19	14.7368	23.68976	5.43480
	Tidak	17	7.2647	12.29090	2.98098
Calcium Score LAD	Ya	19	140.7621	155.91929	35.77034
	Tidak	17	62.3059	107.02425	25.95719
Calcium Score LCX	Ya	19	29.8789	53.24721	12.21575
	Tidak	17	12.4294	28.13534	6.82382

Test Statistics[a]

	Derajat stenosis LMA	Derajat stenosis LAD	Derajat Stenosis LCX	Calcium Score LMA	Calcium Score LAD	Calcium Score LCX
Mann-Whitney U	120.500	105.000	122.500	161.000	78.000	107.500
Wilcoxon W	310.500	258.000	275.500	351.000	231.000	260.500
Z	-1.427	-1.799	-1.284	-.017	-2.649	-1.792
Asymp. Sig. (2-tailed)	.154	.072	.199	.986	.008	.073
Exact Sig. [2*(1-tailed Sig.)]	.196[b]	.076[b]	.219[b]	1.000[b]	.007[b]	.087[b]

a. Grouping Variable: Merokok
b. Not corrected for ties.

Mann-Whitney Test

Ranks

	DM Tipe 2	N	Mean Rank	Sum of Ranks
Derajat stenosis LMA	Ya	10	22.15	221.50
	Tidak	26	17.10	444.50
	Total	36		
Derajat stenosis LAD	Ya	10	25.30	253.00
	Tidak	26	15.88	413.00
	Total	36		
Derajat Stenosis LCX	Ya	10	21.30	213.00
	Tidak	26	17.42	453.00
	Total	36		
Calcium Score LMA	Ya	10	20.45	204.50
	Tidak	26	17.75	461.50
	Total	36		
Calcium Score LAD	Ya	10	18.55	185.50
	Tidak	26	18.48	480.50
	Total	36		
Calcium Score LCX	Ya	10	17.50	175.00
	Tidak	26	18.88	491.00
	Total	36		

Group Statistics

	DM Tipe 2	N	Mean	Std. Deviation	Std. Error Mean
Derajat stenosis LMA	Ya	10	22.4200	28.02518	8.86234
	Tidak	26	17.5654	31.14410	6.10786
Derajat stenosis LAD	Ya	10	81.8100	26.73152	8.45325
	Tidak	26	50.4577	36.14171	7.08797
Derajat Stenosis LCX	Ya	10	40.4000	42.35091	13.39254
	Tidak	26	21.8923	29.87701	5.85936
Calcium Score LMA	Ya	10	12.9000	22.49667	7.11407
	Tidak	26	10.5577	18.35774	3.60025
Calcium Score LAD	Ya	10	81.7480	81.29094	25.70645
	Tidak	26	112.1615	156.19667	30.63269
Calcium Score LCX	Ya	10	28.7000	72.34647	22.87796
	Tidak	26	18.9231	27.30259	5.35448

Test Statistics[a]

	Derajat stenosis LMA	Derajat stenosis LAD	Derajat Stenosis LCX	Calcium Score LMA	Calcium Score LAD	Calcium Score LCX
Mann-Whitney U	93.500	62.000	102.000	110.500	129.500	120.000
Wilcoxon W	444.500	413.000	453.000	461.500	480.500	175.000
Z	-1.416	-2.413	-1.027	-.757	-.018	-.370
Asymp. Sig. (2-tailed)	.157	.016	.304	.449	.986	.712
Exact Sig. [2*(1-tailed Sig.)]	.201[b]	.015[b]	.337[b]	.497[b]	.986[b]	.741[b]

a. Grouping Variable: DM Tipe 2
b. Not corrected for ties.

Mann-Whitney Test

Ranks

	Dislipidemia	N	Mean Rank	Sum of Ranks
Derajat stenosis LMA	Ya	7	15.79	110.50
	Tidak	29	19.16	555.50
	Total	36		
Derajat stenosis LAD	Ya	7	21.57	151.00
	Tidak	29	17.76	515.00
	Total	36		
Derajat Stenosis LCX	Ya	7	15.00	105.00
	Tidak	29	19.34	561.00
	Total	36		
Calcium Score LMA	Ya	7	17.43	122.00
	Tidak	29	18.76	544.00
	Total	36		
Calcium Score LAD	Ya	7	24.14	169.00
	Tidak	29	17.14	497.00
	Total	36		
Calcium Score LCX	Ya	7	18.57	130.00
	Tidak	29	18.48	536.00
	Total	36		

Group Statistics

	Dislipidemia	N	Mean	Std. Deviation	Std. Error Mean
Derajat stenosis LMA	Ya	7	11.7286	22.93518	8.66868
	Tidak	29	20.6483	31.55665	5.85992
Derajat stenosis LAD	Ya	7	71.0429	28.88442	10.91728
	Tidak	29	56.3000	37.77494	7.01463
Derajat Stenosis LCX	Ya	7	13.1714	19.38468	7.32672
	Tidak	29	30.3793	36.35530	6.75101
Calcium Score LMA	Ya	7	17.1429	29.95791	11.32302
	Tidak	29	9.7759	16.17846	3.00426
Calcium Score LAD	Ya	7	150.2857	135.89422	51.36319
	Tidak	29	92.4717	139.69842	25.94135
Calcium Score LCX	Ya	7	18.0000	22.83273	8.62996
	Tidak	29	22.5172	47.50533	8.82152

Test Statistics[a]

	Derajat stenosis LMA	Derajat stenosis LAD	Derajat Stenosis LCX	Calcium Score LMA	Calcium Score LAD	Calcium Score LCX
Mann-Whitney U	82.500	80.000	77.000	94.000	62.000	101.000
Wilcoxon W	110.500	515.000	105.000	122.000	497.000	536.000
Z	-.834	-.863	-1.017	-.329	-1.580	-.021
Asymp. Sig. (2-tailed)	.404	.388	.309	.742	.114	.983
Exact Sig. [2*(1-tailed Sig.)]	.456[b]	.410[b]	.345[b]	.784[b]	.121[b]	1.000[b]

a. Grouping Variable: Dislipidemia

b. Not corrected for ties.

Mann-Whitney Test

Ranks

	Hipertensi	N	Mean Rank	Sum of Ranks
Derajat stenosis LMA	Ya	23	18.07	415.50
	Tidak	13	19.27	250.50
	Total	36		
Derajat stenosis LAD	Ya	23	19.63	451.50
	Tidak	13	16.50	214.50
	Total	36		
Derajat Stenosis LCX	Ya	23	18.80	432.50
	Tidak	13	17.96	233.50
	Total	36		
Calcium Score LMA	Ya	23	17.76	408.50
	Tidak	13	19.81	257.50
	Total	36		
Calcium Score LAD	Ya	23	19.67	452.50
	Tidak	13	16.42	213.50
	Total	36		
Calcium Score LCX	Ya	23	18.74	431.00
	Tidak	13	18.08	235.00
	Total	36		

Group Statistics

	Hipertensi	N	Mean	Std. Deviation	Std. Error Mean
Derajat stenosis LMA	Ya	23	16.4478	27.70994	5.77792
	Tidak	13	23.2769	34.40923	9.54340
Derajat stenosis LAD	Ya	23	63.0565	34.46263	7.18595
	Tidak	13	52.2846	39.88884	11.06317
Derajat Stenosis LCX	Ya	23	26.3304	32.65519	6.80908
	Tidak	13	28.2769	38.12342	10.57353
Calcium Score LMA	Ya	23	8.3478	14.79745	3.08548
	Tidak	13	16.2692	25.30037	7.01706
Calcium Score LAD	Ya	23	102.5861	117.43267	24.48640
	Tidak	13	105.7077	176.21458	48.87313
Calcium Score LCX	Ya	23	26.5217	53.11982	11.07625
	Tidak	13	13.0000	15.37297	4.26370

Test Statistics[a]

	Derajat stenosis LMA	Derajat stenosis LAD	Derajat Stenosis LCX	Calcium Score LMA	Calcium Score LAD	Calcium Score LCX
Mann-Whitney U	139.500	123.500	142.500	132.500	122.500	144.000
Wilcoxon W	415.500	214.500	233.500	408.500	213.500	235.000
Z	-.362	-.860	-.239	-.615	-.890	-.190
Asymp. Sig. (2-tailed)	.718	.390	.811	.538	.373	.850
Exact Sig. [2*(1-tailed Sig.)]	.745[b]	.397[b]	.820[b]	.580[b]	.379[b]	.871[b]

a. Grouping Variable: Hipertensi
b. Not corrected for ties.

Mann-Whitney Test

Ranks

	Riwayat Keluarga	N	Mean Rank	Sum of Ranks
Derajat stenosis LMA	Ya	5	16.70	83.50
	Tidak	31	18.79	582.50
	Total	36		
Derajat stenosis LAD	Ya	5	17.90	89.50
	Tidak	31	18.60	576.50
	Total	36		
Derajat Stenosis LCX	Ya	5	19.90	99.50
	Tidak	31	18.27	566.50
	Total	36		
Calcium Score LMA	Ya	5	17.90	89.50
	Tidak	31	18.60	576.50
	Total	36		
Calcium Score LAD	Ya	5	14.70	73.50
	Tidak	31	19.11	592.50
	Total	36		
Calcium Score LCX	Ya	5	15.80	79.00
	Tidak	31	18.94	587.00
	Total	36		

Group Statistics

	Riwayat Keluarga	N	Mean	Std. Deviation	Std. Error Mean
Derajat stenosis LMA	Ya	5	8.8200	12.12073	5.42055
	Tidak	31	20.5419	31.78497	5.70875
Derajat stenosis LAD	Ya	5	55.8000	48.69497	21.77705
	Tidak	31	59.7097	34.94536	6.27637
Derajat Stenosis LCX	Ya	5	31.9200	38.00042	16.99430
	Tidak	31	26.2452	34.16498	6.13621
Calcium Score LMA	Ya	5	8.4000	13.14534	5.87878
	Tidak	31	11.6613	20.23421	3.63417
Calcium Score LAD	Ya	5	46.6000	53.62182	23.98041
	Tidak	31	112.9252	146.70241	26.34853
Calcium Score LCX	Ya	5	15.8000	30.54832	13.66163
	Tidak	31	22.5806	45.64409	8.19792

Test Statistics[a]

	Derajat stenosis LMA	Derajat stenosis LAD	Derajat Stenosis LCX	Calcium Score LMA	Calcium Score LAD	Calcium Score LCX
Mann-Whitney U	68.500	74.500	70.500	74.500	58.500	64.000
Wilcoxon W	83.500	89.500	566.500	89.500	73.500	79.000
Z	-.452	-.138	-.333	-.151	-.870	-.647
Asymp. Sig. (2-tailed)	.651	.890	.739	.880	.384	.518
Exact Sig. [2*(1-tailed Sig.)]	.690[b]	.894[b]	.756[b]	.894[b]	.396[b]	.563[b]

a. Grouping Variable: Riwayat Keluarga

b. Not corrected for ties.

Lampiran 3. *Curriculum Vitae*

CURRICULUM VITAE

A. Data Pribadi

- Nama : dr. Tryastuti Wahyu Utami
- Tempat/Tgl Lahir : Bontang, 16 Maret 1993
- Alamat : Hop IV Komp. PT. Badak NGL, Bontang
- Jenis Kelamin : Perempuan
- Nomor Telepon : 082349806388
- Agama : Islam
- Status : Belum Menikah
- Nama Ayah/Ibu : Bowo Bin Mukiyat / Hajrah Mahmud

B. Riwayat Pendidikan

- 1999-2005 SD YP Vidya Dahana Patra, Bontang
- 2005-2008 SMP YP Vidya Dahana Patra, Bontang
- 2008-2011 SMA YP Vidya Dahana Patra, Bontang
- 2011-2015 S1 Pendidikan Dokter Universitas Hasanuddin
- 2015-2017 Profesi Dokter Universitas Hasanuddin
- Periode Januari 2021 PPDS Departemen Radiologi Fakultas Kedokteran Universitas Hasanuddin

C. Riwayat Pekerjaaan

- 2015-2017 RSUD Taman Husada Bontang dan Puskesmas Bontang Utara 1 Peserta Program Internship Dokter Indonesia Kota Bontang, Kalimantan Timur
- 2017-2020 Dokter Umum di RS Amalia Bontang

D. Makalah pada Seminar/Konferens Ilmiah Nasional

"*Closed Spinal Dysraphism With Lipomyelocele and Frontoethmoidal Lipomeningoencephalocele: A rare Case* ", dibawakan pada acara "*2ND IA-RAYS 2023: UP DATES ON BREAST AND PEDIATRIC IMAGING* " akarta , 15-16 September 2023