

DAFTAR PUSTAKA

1. HR Shah, NP Singh, NP Aggarwal, et al. Cardiorenal Syndrome: Clinical Outcome Study. Journal of The Association of Physicians of India, Vol. 64, 2016. 41– 46
2. Gillespie CD, Wigington C, Hong Y; Centers for Disease Control and Prevention (CDC). Coronary heart disease and stroke deaths. United States, 2009. MMWR Surveill Summ. 2013 ; 62 : 157–60
3. Riset Kesehatan Dasar. 2018. (Diunduh 1 Juli 2019), tersedia dari URL: <http://www.depkes.go.id>
4. Anggita Tiara Pramadiaz, Muhammad Fadil, Henny Mulyani. Hubungan Faktor Risiko Terhadap Kejadian Sindroma Koroner Akut pada Pasien Dewasa Muda di RSUP Dr. M. Djamil Padang. Jurnal Kesehatan Andalas. 2016; 5(2)
5. Rangaswami J, Chair V, Bhalla V et al. Cardiorenal Syndrome: Classification, Pathophysiology, Diagnosis, and Treatment Strategies A Scientific Statement From the American Heart Association. Circulation. 2019;139:840–878
6. Ronco C, McCullough P, Anker SD, et al. Cardiorenal syndromes: report from the consensus conference of the acute dialysis quality initiative. Eur Heart J 31. 2010 : 703–711
7. Savvas Hadjiphilippou, Sui Phin Kon. Cardiorenal syndrome: review of our current understanding. Journal of the Royal Society of Medicine; 2016, Vol. 109(1) 12–17
8. Yousif I, Zaid K, Green HL et al. Cardio-Renal Syndrome Type 1: Epidemiology, Pathophysiology And Treatment. Seminars in Nephrology, Vol 32, No.1, 2012; 18–25
9. Kurmani S, Squiere I. Acute Heart Failure: Definition, Classification and Epidemiology. Curr Heart Fail Rep 14(5); 2017; 385–92
10. Gonzalez RP, Comba PC, Esteban MR et al. Incidence, Mortality and Positive Predictive Value of Type 1 Cardiorenal Syndrome in Acute Coronary Syndrome. 2016; 1–12
11. Eren Z, Ozveren O, Buyukoner E et al. A Single-Centre Study of Acute Cardiorenal Syndrome: Incidence, Risk Factors and Consequences. Cardiorenal Med 2012;2:168–176

12. Kim MC, Kini AS, Fuster V. Definition and Pathogenesis of Acute Coronary Syndromes, in: Hurst's The Heart Manual of Cardiology, Thirteenth Edition. McGraw-Hill. 2013; 249-257.
13. Marenzi G1, Cabiati A, Bertoli SV et al. Incidence and relevance of acute kidney injury in patients hospitalized with acute coronary syndromes. Am J Cardiol. 2013 Mar 15;111(6):816-22
14. Ortega-Hernández J, Springall R, Sánchez-Muñoz F et al. Acute coronary syndrome and acute kidney injury: role of inflammation in worsening renal function. BMC Cardiovascular Disorders (2017) 17:202
15. McAlister FA, Ezekowitz J, Tonelli M et al. Renal Insufficiency and Heart Failure: Prognostic and Therapeutic Implications From a Prospective Cohort Study. Circulation. 2003;109:1004 –1009.
16. Hillege HL, Girbes AR, de Kam PJ et al. Renal function, neurohormonal activation, and survival in patients with chronic heart failure. Circulation. 2000;102:203–210.
17. Forman DE, Butler J, Wang Y et al. Incidence, predictors at admission, and impact of worsening renal function among patients hospitalized with heart failure. J Am Coll Cardiol. 2004;43:61– 67.
18. Gottlieb SS, Abraham WT, Butler J et al. The prognostic importance of different definitions of worsening renal function in congestive heart failure. J Card Fail. 2002;8:136 –141.
19. Kidney Disease Improving Global Outcomes (KDIGO). KDIGO Clinical Practice Guideline for Acute Kidney Injury. Kidney International Supplements Volume 2, Issue 1. 2012
20. Smith GL, Lichtman JH, Bracken MB, Shlipak MG, Phillips CO, DiCapua P, Krumholz HM. Renal impairment and outcomes in heart failure: systematic review and meta-analysis. J Am Coll Cardiol. 2006;47(10):1987–96
21. Manolis AS, Papadimitriou P, Manolis TA, Apostolou T. Cardiorenal Syndrome: A Glimpse Into Some Intricate Interactions. Hospital Chronicles. 2013; 8(1): 3–15.
22. Aghel A, Shrestha K, Mullens W et al. Serum Neutrophil Gelatinase-Associated Lipocalin (NGAL) in Predicting Worsening Renal Function in Acute Decompensated Heart Failure. J Card Fail. 2010;16: 49–54

23. Van Deursen VM, Damman K, Voors AA, van der Wal MH, Jaarsma T, van Veldhuisen DJ, Hillege HL. Prognostic Value of Plasma Neutrophil Gelatinase–Associated Lipocalin for Mortality in Patients With Heart Failure. *Circ Heart Fail.* 2014;7:35-42
24. Alvelos M, Lourenço P, Dias C, et al. Prognostic value of neutrophil gelatinase-associated lipocalin in acute heart failure. *Int J Cardiol.* 2013;165:5
25. Breidthardt T, Socrates T, Drexler B et al. Plasma neutrophil gelatinase-associated lipocalin for the prediction of acute kidney injury in acute heart failure. *Critical Care* 2012, 16:R2
26. M.Schimidt O. Neutrophil Gelatinase associated lipocalin as a biomarker of acute kidney injury -where do we stand today?. *Nephrol Dial Transplant.* 2011
27. Ronco C, Di Lullo L. Cardiorenal Syndrome in Western Countries Epidemiology, Diagnosis and Management Approaches. *Kidney Dis* 2016;2:151–163
28. Lamb E, Newman DJ, Price CP. Kidney Function Test, inTietz Of Textbook Clinical Chemistry and Molecular Diagnosis. 4th. Saunders Elsevier. Philadelphia. 2006.
29. Pardede. Sistatin C dan hubungannya dengan Fungsi Ginjal pada Anak. *Majalah Cermin Dunia Kedokteran.* 2001; 132: 28–31.
30. Oh MS. 'Evalution Of Renal Function, Water, Electrolytes and Acid-Base Balance', In Henry's Clinical Diagnosis and Management By Laboratory Methods. 21th edition, Saunders Elsevier. Philadelphia. 2007.
31. Cruz DN, Fard A, Clementi A et al. Role of Biomarkers in the Diagnosis and Management of Cardio-renal Syndromes. *Seminars in Nephrology,* Vol 32. 2012; 79–92
32. Dharmeizar. Sindrom Kardiorenal Dalam Buku Ajar Ilmu Penyakit Dalam Edisi Keenam Jilid II. Jakarta: Interna Publishing. 2014 ; 2184 – 2191
33. Bock JS, Gottlieb SS. Cardiorenal Syndrome New Perspectives. *Circulation.* 2010;121:2592–2600
34. Yujun Du, Xiujiang Li, Bin Liu. Advances in pathogenesis and current therapeutic strategies for cardiorenal syndrome *Life Sciences* (2013); 1–6

35. Damman K, van Deursen VM, Navis G, Voors AA et al.. Increased central venous pressure is associated with impaired renal function and mortality in a broad spectrum of patients with cardiovascular disease. *J Am Coll Cardiol* 499 2009;53(7):582–8.
36. McCullough PA, Ahmad A. Cardiorenal syndromes. *World J Cardiol* 2011 26;3(1):1–9
37. Rafiq K, Noma T, Fujisawa Y, et al. Renal sympathetic denervation suppresses de novo podocyte injury and albuminuria in rats with aortic regurgitation. *Circulation* 2012;125(11):1402–13
38. Colombo PC, Ganda A, Lin J, et al. Inflammatory activation: cardiac, renal, and cardio-renal interactions in patients with the cardiorenal syndrome. *Heart Fail Rev* 2012;17(2):177–90
39. Niebauer J, Volk HD, Kemp M, Dominguez M, Schumann RR, Rauchhaus M, et al. Endotoxin and immune activation in chronic heart failure: a prospective cohort study. *Lancet* 1999;353(9167):1838–42.
40. Ronco C, Cozzolino M. Mineral metabolism abnormalities and vitamin D receptor activation in cardiorenal syndromes. *Heart Fail Rev* 2012;17(2):211–20
41. Parikh A, Natarajan S, Lipsitz SR, Katz SD. Iron deficiency in community-dwelling US adults with self-reported heart failure in the National Health and Nutrition Examination Survey III: prevalence and associations with anemia and inflammation. *Circ Heart Fail* 2011;4(5):599–606.
42. Rosner MH, Rastogi A, Ronco C. The Cardiorenal Syndrome. *International Journal of Nephrology*. 2011; 982092:1–2.
43. Ronco C, Cicoira M, McCullough. Pathophysiological Crosstalk leading to Combined Heart and Kidney Dysfunction in The Setting of Acutely Decompensated Heart Failure. *Journal of The American College of Cardiology*. 2012. Vol 60 (12): 1031–42
44. Perhimpunan Dokter Spesialis Kardiovaskular Indonesia. Pedoman dan Tatalaksana Sindrom Koroner Akut Edisi Keempat. 2018
45. Erza A, Wanger NK, Brindis RG et al. 2014 AHA/ACC Guideline for the Management of Patients With Non-ST-Elevation Acute Coronary Syndromes; A Report of the American College of Cardiology/American Heart Association Task Force on Practice Guidelines

46. Di Lullo L, Bellasi A, Barbera V et al. Pathophysiology of the cardio-renal syndromes types 1–5: An up-to-date. Indian Heart Journal 69. 2017: 255–265
47. Haase M, Muller C, Damman K et al. Pathogenesis of Cardiorenal syndrome Type 1 in Acute Decompensated Heart Failure: Workgroup Statements from the eleventh Consensus Consensus Conference of the Acute Dialysis Quality Initiative (ADQI). ADQI Consensus on GGGAs Biomarkers and Cardiorenal Syndromes. Contrib Nephrol. Basel, Karger 2013, vol 182; 99–116
48. Alvelos M, Pimentel R, Pinho E et al. Neutrophil Gelatinase-Associated Lipocalin in The Diagnosis of Type 1 Cardiorenal syndrome in The General Ward. Clin J Am Soc Nephrol. 2011;6:476–81
49. Hidayat S. Interaksi Kardiorenal: Implikasi Terapi. Dep Cardiology & Vascular Medicine Fakultas Kedokteran Universitas Indonesia. 2010. Diakses tanggal 27 November 2017 di <http://www.kardiologi-ui.com/newsread.php?id=354>
50. Chakraborty S, Kaur S, Tong Z et al. Neutrophil Gelatinase Associated Lipocalin: Structure, Function and Role in Human Pathogenesis. 2011
51. Haase M, Devarajan P, Haase-Fielitz A et al. The Outcome of Neutrophil Gelatinase-Associated Lipocalin (NGAL)-positive Subclinical Acute Kidney Injury: A Multicenter Pooled Analysis of Prospective Studies. J Am Coll Cardiol. 2011; 57(17): 1752–1761
52. Soni S, Cruz D, Bobek I, Chionh C et al. NGAL; A biomarker of acute Kidney Injury and other Systemic Conditions. Int Urol Nephrol. 2010; 141–50.
53. Tan K, SETHI SK. Biomarkers in cardiorenal syndromes. Translational Research Volume 164, Number 2. 2014. 122–34
54. Vandenberghe W, Gevaert S, Kellum JA et al. Acute Kidney Injury in Cardiorenal Syndrome Type 1 Patients: A Systematic Review and Meta-Analysis. Cardiorenal Med 2016;6: 116–128
55. Banerjee A. Renal physiology. In : Clinical physiology an examination primer. USA : Cambridge University Press; 2005.
56. Nicola L, Minutolo R, Chiodini P, Borrelli S, Zoccali C, Postorino M, dkk. The effect of increasing age on the prognosis of non-dialysis patients with chronic kidney disease receiving stable nephrology care. National Kidney Foundation Journal. 2012;82:482–8

57. Wulandari W. Jalur metabolisme kreatinin. 2015. Diakses pada 30 Juni 2019 Available from : http://www.academia.edu/9986413/45_125261-jalur-metabolisme-kreatinin
58. Arifin H, Kurniawan H. Sensitivitas dan Spesifitas Cystatin C dan Kreatinin Serum dalam Mendiagnosis Cedera Ginjal Akut pada Pasien Sepsis yang Dirawat di Ruang Rawat Intensif RSUP H. Adam Malik Medan. Jurnal Anestesi Perioperatif. 2016; 4(2): 63–71.
59. Wyss M, Kaddurah-Daouk R. Creatine and creatinine metabolism. Physiol Rev. 2000;80(3):1107–213.
60. Mujtaba SH, Ashraf T, Mahmood SN, Anjum Q. Assesment of renal insufficiency in patients with normal serum cretinine levels undergoing angiography. JPMA. 2010; 60: 915.
61. Chung MY, Jun DW, Sung SA. Diagnostic value of cystatin C for predicting acute kidney injury in patients with liver cirrhosis. The Korean Journal of Hepatology. 2010;16:301–307
62. Reed CH. Diagnostic Application of Cystatin C. Br J Biomed Sci. 2000;57(4):323–9
63. Grubb A. Non Invasive Estimation Of GFR, The Lund Model: Simultaneous Use CystatinC And Creatinine Based GFR –Prediction Equations, Clinical Data And An Internal Quality Check. Scand J Clin Lab Invest. 2010; 70(2): 65–70.
64. McMurray MD, Trivax JE, McCullough PA. Serum cystatin C, renal filtration function, and left ventricular remodeling. Circ Heart Fail. 2009;2(2):86–9
65. Newman DJ. Cystatin C. Annals of Clinical Biochemistry. 2002; 39: 89–104
66. Herget-Rosenthal S, Marggraf G, Husing J, Goring F. Early detection of acute renal failure by cystatin C. Kidney International. 2004; 66(3):1115–22
67. Sastroasmoro S, Ismael S. Dasar-dasar Metode Penelitian Klinis. Edisi 3. CV Sagung Seto. Jakarta. 2010.
68. Ferry, Anand, Strachan et al. Presenting Symptoms in Men and Women Diagnosed With Myocardial Infarction Using Sex-Specific Criteria. J Am Heart Assoc. 2019;8:e012307

69. Altaf, Shah, Salahuddin. Gender based differences in clinical and Angiographic characteristics and outcomes of Acute Coronary Syndrome (ACS) in Asian population. *Pak J Med Sci.* 2019;35(5):1349-1354
70. Made Diska Radisti Diputra, I Wayan Wita, Wayan Aryadana. Karakteristik Penderita Sindroma Koroner Akut di RSUP Sanglah Denpasar Tahun 2016. *E-Jurnal Medika*, Vol. 7 No.10, Oktober, 2018
71. Muhibbah, Abdurahman Wahid, RismiaAgustina et al. Karakteristik Pasien Sindrom Koroner Akut Pada Pasien Rawat Inap Ruang Tulip Di RSUD Ulin Banjarmasin. *Indonesian Journal for Health Sciences* Vol.3, No.1, Maret 2019: 6-12
72. Haider A, Bengs S, Luu J, et al. Sex and Gender in Cardiovascular Medicine: Presentation and Outcomes of Acute Coronary Syndrome. *Eur Heart J* 2020;41:1328-1336.
73. Ahmed, AlHabib , El-Menyar et al. Age and clinical outcomes in patients presenting with acute coronary syndromes. *Journal of Cardiovascular Disease Research* 4 (2013) 134e139
74. Mirghani. Age related differences in acute coronary syndrome presentation and in hospital outcomes: a cross-sectional comparative study. *Pan African Medical Journal.* 2016; 24:337
75. Clerico, Galli, Fortunato et al. Neutrophil gelatinase-associated lipocalin (NGAL) as biomarker of acute kidney injury: a review of the laboratory characteristics and clinical evidences. *Clin Chem Lab Med* 2012;50(9):1505–1517
76. YC Tung, CH Chang, YC Chen et al. Combined Biomarker Analysis for Risk of Acute Kidney Injury in Patients with ST Segment Elevation Myocardial Infarction. *PLoS ONE* 10(4):e0125282. 2015
77. Ronco, Cruz, Noland. Neutrophil Gelatinase-Associated Lipocalin Curve and Neutrophil Gelatinase-Associated Lipocalin Extended-Range Assay: A New Biomarker Approach in the Early Diagnosis of Acute Kidney Injury and Cardio-Renal Syndrome. *Seminars in Nephrology* 32(1), 2012 :121-8
78. Rodrigues, Bruetto, Torres, et al. Incidence and Mortality of Acute Kidney Injury after Myocardial Infarction: A Comparison between KDIGO and RIFLE Criteria. *PLoS ONE* 8(7): e69998.
79. Hao Phan Thai, Bao Hoang Bui, Tien Hoang Anh et al. Value of Plasma NGAL and Creatinine on First Day of Admission in the Diagnosis of Cardiorenal Syndrome Type 1. *Cardiology Research and Practice*. Volume 2020, Article ID 2789410, 9 pages

80. Jungbauer, Brand, Schwiede et al. Activation Pattern of Candidate Renal Biomarkers in Acute Heart Failure: Superiority of Neutrophil Gelatinase-Associated Lipocalin (NGAL). *J Dis Markers* - Volume 2 Issue 1 – 2015
81. Rismawati Yaswir, Afrida Maiyesi. Pemeriksaan Laboratorium Cystatin C Untuk Uji Fungsi Ginjal. *Jurnal Kesehatan Andalas*. 2012; 1(1): 10-5
82. Starry Homenta Rampengan. Cardiorenal syndrome type 1: a literature review. (*Bali Med J*) 2019, Volume 8, Number 2: 537-541
83. DQ Zhang, HW Li, HP Chen et al. Combination of Amino-Terminal Pro-BNP, Estimated GFR, and High-Sensitivity CRP for Predicting Cardiorenal Syndrome Type 1 in Acute Myocardial Infarction Patients
84. Pei-Chun Fan, Chih-Hsiang Chang, Yung-Chang Chen. Biomarkers for acute cardiorenal syndrome. *Nephrology* 23, Suppl. 4 (2018) 68–71
85. Taub, Borden, Fard et al. Role of biomarkers in the diagnosis and prognosis of acute kidney injury in patients with cardiorenal syndrome. *Expert Rev Cardiovasc Ther.* 2012 May ; 10(5): 657–667.
86. JM García Acuña, E González-Babarro, LG Shamagian et al. Cystatin C Provides More information Than Other Renal Function Parameters for Stratifying Risk in Patients With Acute Coronary Syndrome. *Rev Esp Cardiol.* 2009;62(5):510-9
87. Constantin, Varela, Del Castillo, et al. Cystatin C as Marker of Cardiorenal Syndrome and Poor Prognosis in Patients Hospitalized with Acute Heart Failure and Normal Renal Function. *Rev Argent Cardiol* 2016;84:14-19
88. Breidthardt, Sabti, Ziller et al. Diagnostic and prognostic value of cystatin C in acute heart failure. *Clinical Biochemistry*. 2017
89. Q Huang, W Shen, J Li et al. Association of serum cystatin C levels with acute coronary syndrome in patients of advanced age. *Journal of International Medical Research* 2019, Vol. 47(5) 1987–1997