

DAFTAR PUSTAKA

1. World Health Organization. The top 10 causes of death. 2018. <http://www.who.int/mediacentre/factsheets/fs310/en/> . Diakses 22 agustus 2019.
2. Mozaffarian D, Benjamin E J, Go A S, Arnett D K, Blaha M J, Cushman M, et al. Executive Summary: Heart Disease and Stroke Statistics--2016 Update: A Report From the American Heart Association. *Circulation* 2016;133:447-54.
3. Roger VL. Epidemiology of myocardial infarction. *Med Clin North Am* 2007; 91: 537-52; ix.
4. World Health Organization. Noncommunicable Diseases (NCD) Country Profiles, 2018. <https://www.who.int/nmh/publications/ncd-profiles-2018/en/>. Diakses 10 september 2019.
5. Kementerian Kesehatan RI. Situasi kesehatan jantung. Infodatin. 2013. <https://pusdatin.kemkes.go.id/resources/download/pusdatin/infodatin/infodatin-jantung.pdf>. Diakses 14 oktober 2019.
6. Coronary Heart Disease. American Heart Association; 2018. http://www.heart.org/HEARTORG/Conditions/More/MyHeartandStrokeNews/Coronary-Artery-Disease---The-ABCs-of-CAD_UCM_436416_Article.jsp. Diakses 14 Oktober 2019.
7. Puranik R, Celermajer DS. Smoking and endothelial function. *Prog Cardiovasc Dis* 2003;45:443-458.
8. World Health Organization. Prevalence of tobacco smoking. <https://www.who.int/gho/tobacco/use/en/>. Diakses 10 september 2019.
9. WHO. International Agency for Research on Cancer Monographs on the evaluation of carcinogenic risks to humans - second-hand tobacco smoke. Paris. 2018. <https://monographs.iarc.fr/wp-content/uploads/2018/06/mono83.pdf>. Diakses 10 s eptember 2019.
10. Adriano DC. trace elements in terrestrial environments biogeochemistry, bioavailability and risks of metals. 2nd ed. Newyork: Springer-Verlag 2001; p: 264.

11. Agency for Toxic Substances & Disease Registry (ATSDR). Toxicological Profile for Cadmium. Atlanta, GA, U.S. Department of Health and Human Services, Public Health Service, 2012.
12. Kementrian Kesehatan RI. Situasi umum konsumsi tembakau di Indonesia. Infodatin tembakau. 2013. <http://www.depkes.go.id/download.php?file=download/pusdatin/infodatin/infodatin%20tembakau%20per%20halaman.pdf>. Diakses 10 september 2019.
13. Satarug S, Nishijo M, Ujjin P, Vanavanitkun Y & Moore MR. Cadmium-induced nephropathy in the development of high blood pressure. *Toxicology Letters*. 2005; 157(1): 57-68.
14. Ikeda M, Moriguchi J, Ezaki T, Fukui Y, Ukai H, Okamoto S, et al. Smoking-induced increase in urinary cadmium levels among Japanese women. *Int Arch Occup Environ Health*. 2005; 78(7), 533–540.
15. Flanagan PR, McLellan JS, Haist J, Cherian G, Chamberlain MJ, Valberg LS. Increased dietary cadmium absorption in mice and human subjects with iron deficiency. *Gastroenterology*. 1978; 74:841–846.
16. Almenara CCP, Broseghini-Filho GB, Vescovi MVA, Angeli JK, Faria TdO, Stefanon I, et al. Chronic cadmium treatment promotes oxidative stress and endothelial damage in isolated rat aorta. *PLoS ONE*. 2013; 8(7): e68418.
17. Bergström G, Fagerberg B, Sallsten G, Lundh T, Barregard L. Is Cadmium Exposure Associated with the Burden, Vulnerability and Rupture of Human Atherosclerotic Plaques?. *PLoS ONE*. 2015; 10(3): e0121240.
18. Barregard L, Sallsten G, Fagerberg B, Borne Y, Persson M, Hedblad B, et al. Blood cadmium levels and incident cardiovascular events during follow-up in a population-based cohort of Swedish adults: the Malmö diet and cancer study. *Environ Health Perspect*. 2016; 124(5): 594-600
19. Myong J-P, Kim H-R, Jang T-W, Lee HE, Koo J-W. Association between blood cadmium levels and 10-year coronary heart disease risk in the general Korean population: the Korean National Health and Nutrition Examination Survey 2008-2010. *PLoS ONE*. 2014; 9(11):e111909.

20. Adriana DM Villa, Eva Sammut, Arjun Nair, Ronak Rajani, Rodolfo Bonamini, Amedeo Chiribiri. Coronary artery anomalies overview: The normal and the abnormal. *World J Radiol.* 2016 June 28; 8(6): 537-555
21. Mendis S, Puska P. & Norrving B, Eds. *Global Atlas on Cardiovascular Disease Prevention and Control.* World Health Organization, Geneva, Switzerland, 2011.
22. Mackay J, Mensah G, eds. *The Atlas of Heart Disease and Stroke,* World Health Organization, Geneva, 2004.
23. Petersen S, Peto V, Scarborough P, Rayner M. 2005 Coronary Heart Disease Statistics - 2005 edition, British Heart Foundation Health Promotion Research Group, Department of Public Health, University of Oxford, 2006. <http://www.heartstats.org>
24. Causes of death 2008, World Health Organization, Geneva, https://www.who.int/healthinfo/global_burden_disease/cod_2008_sources_methods.pdf. Diakses 10 september 2019.
25. National Center for Health Statistics. Mortality multiple cause micro-data files, 2013: public-use data file and documentation: NHLBI tabulations. http://www.cdc.gov/nchs/data_access/Vitalstatsonline.htm#Mortality Multiple. Diakses 14 oktober 2019
26. Bergheanu SC, Bodde MC, & Jukema JW. Pathophysiology and treatment of atherosclerosis. *Neth Heart J.* 2017; 25(4): 231–242.
27. Wood D, De Backer G, Faergeman O, Graham I, Mancia G, Pyörälä K. Together with members of the Task Force. Prevention of coronary heart disease in clinical practice. Recommendations of the second Joint Task Force of European and other Societies on coronary prevention. *Eur Heart J* 1998; 19: 1434–1503.
28. Lloyd-Jones DM, Nam BH, D'Agostino RB Sr, Levy D, Murabito JM, Wang TJ, et al. Parental cardiovascular disease as a risk factor for cardiovascular disease in middle-aged adults: a prospective study of parents and offspring. *JAMA.* 2004; 291: 2204–2211.
29. Parikh NI, Hwang SJ, Larson MG, Cupples LA, Fox CS, Manders ES, et al. Parental occurrence of premature cardiovascular disease predicts increased

- coronary artery and abdominal aortic calcification in the Framingham Offspring and Third Generation cohorts. *Circulation*. 2007; 116: 1473–1481.
30. AHA. 2016. Understand Your Risks to Prevent a Heart Attack. <https://www.heart.org/en/health-topics/heart-attack/understand-your-risks-to-prevent-a-heart-attack>. diakses 9 november 2019
31. Heart Disease Risk Factors. Texas Heart Institute. 2011. <http://texasheart.org/HIC/Topics/HSmart/riskfact.cfm>. Diakses 10 november 2019
32. Anwar, T. Bahri. Penyakit Jantung Koroner Dan Hypertensi. e-USU Repository, 2004. <http://repository.usu.ac.id/handle/123456789/3515>. Diakses 9 september 2019
33. World Heart Federation. Risk Factor. 2017. <https://www.world-heart-federation.org/resources/risk-factors/>. Diakses 2019-11-12
34. Escobar E. Hypertension and coronary heart disease. *Journal of Human Hypertension*. 2002; 16 (S1): S61– S63.
35. Baguet JP, Mallion JM. Hypertension And Coronary Heart Disease. *European Society of Hypertension Scientific Newsletter: Update on Hypertension Management*. 2005; 6: No.14r
36. Schwartzkopff B, Motz W, Frenzel H, Vogt M, Knauer S, Strauer BE. Structural and functional alterations of the intramyocardial coronary arterioles in patients with arterial hypertension. *Circulation* 1993; 88: 993-1003
37. O'Donnell CJ, Elosua R. Cardiovascular risk factors. Insights from Framingham heart study. *Rev Esp Cardiol* 2008; 61: 299-310.
38. Lacoste L, Lam JY, Hung J, Letchacovski G, Solymoss CB, Waters D. Hyperlipidemia and coronary disease. Correction of the increased thrombogenic potential with cholesterol reduction. 1995; 92: 3172–3177.
39. Law MR, Wald NJ, Thompson SG. By how much and how quickly does reduction in serum cholesterol concentration lower risk of ischaemic heart disease?. *BMJ* 1994; 308: 367-72.
40. The lipid research clinics coronary primary prevention trial results. II. The relationship of reduction in incidence of coronary heart disease to cholesterol lowering. *JAMA* 1984; 251: 365-74

41. Calle EE, Thun MJ, Petrelli JM, Rodriguez C, Heath CW Jr. Body-mass index and mortality in a prospective cohort of US adults. *N Engl J Med.* 1999; 341: 1097–1105
42. Poirier P, Giles TD, Bray GA, Hong Y, Stern JS, Pi-Sunyer FX, et al. Obesity and cardiovascular disease: Pathophysiology, evaluation, and effect of weight loss: An update of the 1997 American Heart Association Scientific Statement on Obesity and Heart Disease from the Obesity Committee of the Council on Nutrition, Physical Activity, and Metabolism. *Circulation* 2006; 113: 898-918
43. American Heart Association. Cardiovascular Disease and Diabetes. 2015. <https://www.heart.org/en/health-topics/diabetes/why-diabetes-matters/cardiovascular-disease--diabetes>. Diakses 9 november 2019
44. Lewis, et al, *Medical Surgical Nursing: Assesment and Management of Clinical Problems. Seven Edition. volume 2. Mosby Elsevier;2011*
45. The 2004 United States Surgeon General’s Report: The Health Consequences of Smoking. *N S W Public Health Bull.* 2004;15:107.
46. Perhimpunan Dokter Paru Indonesia. Penyakit Paru Obstruktif Kronik (PPOK) Pedoman diagnosis dan penatalaksanaan di Indonesia. PDPI. 2003.
47. US Department of Health and Human Services. The health consequences of smoking—50 years of progress: a report of the Surgeon General. Atlanta, GA: US Department of Health and Human Services, CDC, Coordinating Center for Health Promotion, National Center for Chronic Disease Prevention and Health Promotion, Office on Smoking and Health, 2014. <http://www.surgeongeneral.gov/library/reports/50yearsofprogress/fullreport.pdf>
48. CDC. Best practices for comprehensive tobacco control programs—2014. Atlanta: US Department of Health and Human Services, CDC, National Center for Chronic Disease Prevention and Health Promotion, Office on Smoking and Health, 2014. https://www.cdc.gov/tobacco/stateandcommunity/best_practices/index.htm
49. Huxley RR, Woodward M. Cigarette smoking as a risk factor for coronary heart disease in women compared with men: a systematic review and meta-

- analysis of prospective cohort studies. *The Lancet*. 2011; 378(9799): 1297-1305
50. Hajar R. Risk factors for coronary artery disease: Historical perspectives. *Heart Views*. 2017; 18:109-14. Available from: <http://www.heartviews.org/text.asp?2017/18/3/109/217850>. Diakses 10 november 2019
51. Ockene IS, Miller NH. Cigarette smoking, cardiovascular disease, and stroke: a statement for healthcare professionals from the American Heart Association. American Heart Association Task Force on Risk Reduction. *Circulation*. 1997; 96(9): 3243-7.
52. Nordberg GF, Nogawa K, Nordberg M, Friberg L. Cadmium. In: Nordberg GF, Fowler GF, Nordberg M, Friberg L, eds. *Handbook on the Toxicology of Metals*. Amsterdam: Elsevier, 2007; 445-86
53. Elinder CG, Kjellström T, Friberg L, & Linnman B. L. L. Cadmium in Kidney Cortex, Liver, and Pancreas from Swedish Autopsies. *Arch Environ Health: An International Journal*. 1976; 31(6), 292-302.
54. Oberdorster G, Sharp Z, Atudorei V, Elder A, Gelein R, Lunts A, et al. Extrapulmonary translocation of ultrafine carbon particles following whole-body inhalation exposure of rats. *J Toxicol Environ Health A*. 2002; 65(20): 1531-43.
55. What to know about coronary heart disease. 2019. *Medical News Today*. <https://www.medicalnewstoday.com/articles/184130.php#summary>. Diakses 12 september 2019.
56. Kumar, Abbas, Fausto, Mitcheel. *Robbins Basic Pathology*. 8th edition. Elsevier . 2007. p343-353.
57. Schoen J Frederick. Blood Vessels. In: Kumar, Abbas, Fausto. *Robbins and Cotran Pathologic Basis of disease*. 7th ed. Elsevier Saunders, 2005. p.516-524.
58. Turunen MP, Hiltunen MO, Yla-Herttuala S. Gene therapy for angiogenesis, restenosis and related diseases. *Exp Gerontol* 1999;34:567-74.
59. Chandrasoma Parakrama, Taylor Clive R. *concise Pathology* 3rd edition. 1998. Appleton & Lange Stamford, Connecticut . p.315-322

60. PERKI. Pedoman Tatalaksana Sindrom Koroner Akut. http://www.inaheart.org/upload/file/Pedoman_tatalaksana_Sindrom_Koroner_Akut_2015.pdf. Diakses 9 september 2019
61. Tugasworo D, Patogenesis aterosklerosis editor oleh Purwaningsih E. Badan Penerbit UNDIP, Semarang; 2010: 15 – 24
62. Ross R. Atherosclerosis-an inflammatory disease. *The New England Journal of Medicine*; 1999; 340: 115 – 26
63. Ilmiawati C, Yoshida T, Itoh T, Nakagi Y, Saijo Y, Sugioka Y, et al. Biomonitoring of mercury, cadmium, and lead exposure in Japanese children: a cross-sectional study. *Environ. Health and Prev. Med.* 2014; 20(1): 18–27.
64. WHO (1992) World Health Organization. Environmental Health Criteria, cadmium, vol 134. World Health Organization, Geneva
65. Nordberg GF, Nogawa K, Nordberg M. Cadmium. In: Nordberg GF, Fowler GF, Nordberg M, editors. *Handbook on the Toxicology of Metals*. 4th ed. Amsterdam: Elsevier; 2015. p. 667–716.
66. Jin T, Nordberg M, Frech W, Dumont X, Bernard A, Ye TT, et al. Cadmium biomonitoring and renal dysfunction among a population environmentally exposed to cadmium from smelting in China (ChinaCad). *Biometals*. 2002; 15(4): 397-410
67. Crinnion WJ. The Benefits of pre- and post-challenge urine heavy metal testing: Part 1. *Altern Med Rev* 2009; 14: 3-8
68. Gobe G, Crane D. Mini review: mitochondria, reactive oxygen species and cadmium toxicity in the kidney. *Toxicol Lett.* 2010; 198: 49–55.
69. Kaur M. Dietary intake, prevalence, and the effect of anemia on various morphophysiological variables of postmenopausal women of North India. *J Mid-life Health.* 2018;9:72-8.
70. Darmono. Lingkungan hidup dan pencemaran : hubungannya dengan toksikologi senyawa logam. Jakarta: UI-Press; 2001
71. Godt J, Scheidig F, Grosse-Siestrup C, Esche V, Brandenburg P, Reich A, et al. The toxicity of cadmium and resulting hazards for human health. *J Occup Med Toxicol.* 2006; 1(1): 1–6

72. Yang H, Shu Y. Cadmium transporters in the kidney and cadmium-induced nephrotoxicity. *Int J Mol Sci.* 2015;16(1):1484–94
73. Ferraro PM, Costanzi S, Naticchia A, Sturniolo A, Gambaro G. Low level exposure to cadmium increases the risk of chronic kidney disease: Analysis of the NHANES 1999-2006. *BMC Public Health.* 2010;10:304.
74. Waalkes MP. Cadmium carcinogenesis in review. *J Inorg Biochem.* 2000;79:241–4.
75. Suwazono Y, Åkesson A, Alfvén T, Järup L, Vahter, M. Creatinine versus specific gravity-adjusted urinary cadmium concentrations. *Biomarkers.* 2005; 10(2-3), 117–126.
76. Peralta, C. A. Detection of Chronic Kidney Disease With Creatinine, Cystatin C, and Urine Albumin-to-Creatinine Ratio and Association With Progression to End-Stage Renal Disease and Mortality. *JAMA.* 2011; 305(15), 1545
77. Stain M. Renal disease. *Canada: Citizenship and Immigration;* 2010. p.1-76.
78. Tellez-Plaza M, Navas-Acien A, Menke A, Crainiceanu CM, Pastor- Barriuso R, Guallar E. Cadmium exposure and all-cause and cardiovascular mortality in the U.S. general population. *Environ Health Perspect.* 2012; 120(7):1017–1022
79. Rani A, Kumar A, Lal A, Pant M. Cellular mechanisms of cadmium- induced toxicity: a review. *Int J Environ Health Res* 2014; 24: 378-99.
80. Patrick L. Toxic metals and antioxidants: Part II. The role of antioxidants in arsenic and cadmium toxicity. *Altern Med Rev* 2003; 8: 106-28.
81. Menke A, Muntner P, Silbergeld EK, Platz EA, & Guallar E. Cadmium Levels in Urine and Mortality among U.S. Adults. *Environ Health Perspect.* 2009; 117(2): 190–196.
82. Messner B, Knoflach M, Seubert A, Ritsch A, Pfaller K., Henderson B, et al. Cadmium is a novel and independent risk factor for early atherosclerosis mechanisms and in vivo relevance. *Arterioscler Thromb Vasc Biol* 2009; 29: 1392–8
83. Bernhard D, Rossmann A, Henderson B, Kind M, Seubert A, Wick G. Increased serum cadmium and strontium levels in young smokers: effects on arterial endothelial cell gene transcription. *Arteriosclerosis, Thrombosis and Vascular Biology.* 2006; 26(4): 833–838.

84. Takahashi Y, Poteser M, Masui H, Koizumi N, Wakabayashi I. Effects of cadmium in vitro on contractile and relaxant responses of isolated rat aortas. *Environ Health Prev Med.* 2004; 9(6): 251–6.
85. Knoflach M, Messner B, Shen YH, Frotschnig S, Liu G, Pfaller K, et al. Non-Toxic Cadmium Concentrations Induce Vascular Inflammation and Promote Atherosclerosis. *Circulation Journal.* 2011; 75(10): 2491–2495.
86. Ozturk I M, Buyukakilli B, Balli E, Cimen B, Gunes S, & Erdogan S. Determination of acute and chronic effects of cadmium on the cardiovascular system of rats. *Toxicology Mechanisms and Methods.* 2009; 19(4): 308–317.
87. Everett CJ, Frithsen IL. Association of urinary cadmium and myocardial infarction. *Environ Res* 2008; 106: 284-6
88. Fagerberg B, Bergstrom G, Boren J, Barregard L. Cadmium exposure is accompanied by increased prevalence and future growth of atherosclerotic plaques in 64-year- old women. *J Intern Med.* 2012; 272: 601-10
89. Fagerberg B, Barregard L, Sallsten G, Forsgard N, Östling G, Persson M, et al. Cadmium exposure and atherosclerotic carotid plaques –Results from the Malmö diet and Cancer study. *Environmental Research.* 2015; 136: 67–74.
90. Cho H-M, Cho D-Y, Kim M-Y, Yang S-W, Seo Y-S, Kim K-N .Combined Effect of Blood Cadmium and Lead Levels on Coronary Heart Disease Prediction Risk in Korean Men. *Angiology.* 2015; 67(6): 582–586.
91. Eum KD, Lee MS, Paek D. Cadmium in blood and hypertension. *Sci Total Environ* 2008; 407: 147-53
92. Andersson EM, Fagerberg B, Sallsten G, Borné Y, Hedblad B, Engström G, et al. Partial Mediation by Cadmium Exposure of the Association Between Tobacco Smoking and Atherosclerotic Plaques in the Carotid Artery. *Am J Epidemio.* 2017; 187(4): 806–816.
93. Tabachnick BG, Fidell LS. *Using Multivariate Statistics.* 6th ed. Boston: Pearson Education, Inc. 2013; p:124
94. Kementrian Kesehatan Republik Indonesia. Pedoman praktis terapi gizi medis Departemen Kesehatan RI 2003.

<https://www.depkes.go.id/index.php?txtKeyword=status+gizi&act=search-by-map&pgnumber=0&charindex=&strucid=1280&fullcontent=1&C-ALL=1>

95. Tellez-Plaza M, Guallar E, Howard BV, Umans JG, Fancesconi KA, Goessler WA, et al. Cadmium Exposure and Incident Cardiovascular Disease. *Epidemiology*. 2013; 24(3): 421-429.
96. Järup L, Berglund M, Elinder CG, Vahter M. Health effects of cadmium exposure – a review of the literature and a risk estimate. *Scand J Work Environ Health*. 1998; 24: 1–52
97. Gobe G, Crane D. Mini review: mitochondria, reactive oxygen species and cadmium toxicity in the kidney. *Toxicol Lett*. 2010;198:49–55
98. Maulina, Meutia. "Gambaran Karakteristik Dan Status Gizi Berdasarkan Lingkar Lengan Atas (Lila) Pada Pasien Penyakit Jantung Koroner (Pjk) Di Rumah Sakit Umum Cut Meutia." *Lentera: Jurnal Ilmiah Sains dan Teknologi*. 6 Jun 2015; 15(13).
99. Go AS, Mozaffarian D, Roger VL, Benjamin EJ, Berry JD, Borden WB. Heart Disease and Stroke Statistics--2013 Update: A Report From the American Heart Association. *Circulation*, 2012; 127(1), e6–e245.
100. Satarug S, Baker JR, Reilly PE, Moore MR, Williams DJ. Cadmium levels in the lung, liver, kidney cortex, and urine samples from Australians without occupational exposure to metals. *Arch Environ Health*. 2002; 57(1):69–77.
101. Kikuchi Y, Nomiya T, Kumagai N, Dekio F, Uemura T, Takebayashi T, et al. Uptake of cadmium in meals from the digestive tract of young non-smoking Japanese female volunteers. *J Occup Health*. 2003; 45(1):43–52.
102. Chaumont A, Voisin C, Deumer G, Haufroid V, Annesi-Maesano I, Roels H, et al. Associations of urinary cadmium with age and urinary proteins: further evidence of physiological variations unrelated to metal accumulation and toxicity. *Environ Health Perspect*. 2013; 121:1047–1053.
103. Amisi WG, Nelwan JE, & Kolibu FK. Hubungan Antara Hipertensi Dengan Kejadian Penyakit Jantung Koroner Pada Pasien Yang Berobat Di Rumah Sakit Umum Pusat Prof. Dr. RD KANDOU MANADO. *KESMAS*, 2018;7(4).
104. Eom SY, Seo MN, Lee YS, Park KS, Hong YS, Sohn SJ, et al. Low-Level Environmental Cadmium Exposure Induces Kidney Tubule Damage in the

- General Population of Korean Adults. *Arch Environ Con Tox*. 2017; 73(3), 401–409.
105. Uetani M, Kobayashi E, Suwazono Y, Honda R, Nish- ijo M, Nakagawa H, et al. Tissue cad- mium (Cd) concentrations of people living in a Cd polluted area, Japan. *Biometals*. 2006; 19(5):521–525
106. Vacchi-Suzzi C, Kruse D, Harrington J, Levine K, & Meliker JR. Is Urinary Cadmium a Biomarker of Long-term Exposure in Humans? A Review. *Curr Environ Health Rep*. 2016; 3(4):450-458.
107. Gregory AB, Lester KK, Gregory DM, Twells LK, Midodzi WK, & Pearce NJ. The Relationship between Body Mass Index and the Severity of Coronary Artery Disease in Patients Referred for Coronary Angiography. *Cardiol Res Pract*. 2017; 2017:1–10.
108. Padilla MA, Elobeid M, Ruden DM, & Allison DB. An Examination of the Association of Selected Toxic Metals With Total and Central Obesity Indices: NHANES 99-02. *Int J Environ Res Public Health*. 2010; 7(9): 3332-3347.
109. Son HS, Kim SG, Suh BS, Park DU, Kim DS, Yu SD, et al. Association of Cadmium with Diabetes in Middle-Aged Residents of Abandoned Metal Mines: The First Health Effect Surveillance for Residents in Abandoned Metal Mines. *Ann Occup Environ Med*. 2015; 24;27:20.
110. Riederer AM, Belova A, George BJ, Anastas PT. Urinary cadmium in the 1999–2008 US National Health and Nutrition Examination Survey (NHANES). *Environ Sci Technol*. 2013; 47 (2), 1137–1147
111. Tellez-Plaza M, Guallar E, Howard BV, Umans JG, Francesconi KA, Goessler W, et al. Cadmium exposure and incident cardiovascular disease. *Epidemiology (Cambridge, Mass.)*. 2013; 24(3), 421–429.
112. Tinkov AA, Filippini T, Ajsuvakova OP, Aaseth J, Gluhcheva YG, Ivanova JM, et al. The role of cadmium in obesity and diabetes. *Sci Total Environ*. 2017; 601-602, 741-755.
113. Mortensen ME, Wong LY, & Osterloh JD. Smoking status and urine cadmium above levels associated with subclinical renal effects in U.S. adults without chronic kidney disease. *Int J Hyg Environ Health*. 2011; 214(4), 305–310.

114. Adams VA & Newcomb PA. Cadmium blood and urine concentrations as measures of exposure: NHANES 1999–2010. *J Expo Sci Environ Epidemiol.* 2014;24:163–170.
115. Ikeda M, Moriguchi J, Ezaki T, Fukui Y, Ukai H, Okamoto S, et al. Smoking-induced increase in urinary cadmium levels among Japanese women. *Int Arch Occup Environ Health.* 2005; 78:533–540
116. Mannino DM, Holguin F, Greves HM, Savage-Brown A, Stock AL, Jones RL. Urinary cadmium levels predict lower lung function in current and former smokers: data from the Third National Health and Nutrition Examination Survey. *Thorax.* 2004;59(3):194-198.
117. Briganti EM, Branley P, Chadban SJ, Shaw JE, McNeil JJ, Welborn TA, et al. Smoking is associated with renal impairment and proteinuria in the normal population: the AusDiab kidney study. *Australian Diabetes, Obesity and Lifestyle Study. Am J Kidney Dis.* 2002 Oct;40(4):704-12.
118. Pinto-Sietsma SJ, Mulder J, Janssen WM, Hillege HL, de Zeeuw D, de Jong PE. Smoking is related to albuminuria and abnormal renal function in nondiabetic persons. *Ann Intern Med.* 2000 Oct 17;133(8):585-91.
119. Nordberg M. General aspects of cadmium: transport, uptake and metabolism by the kidney. *Environ Health Perspect.* 1984;54:13-20
120. Chaumont A, De Winter F, Dumont X, Haufroid V, & Bernard A. The threshold level of urinary cadmium associated with increased urinary excretion of retinol-binding protein and 2-microglobulin: a re-assessment in a large cohort of nickel-cadmium battery workers. *Occup Environ Med.* 2010 68(4), 257–264.
121. Kim SH, Kim YH, An HC, Sung JH, Sim CS. Levels of blood lead and urinary cadmium in industrial complex residents in Ulsan. *Ann Occup Environ Med.* 2017 Jun; 26;29:26
122. Bulat ZP, Đukić-Ćosić D, Đokić M, Bulat P & Matović V. Blood and urine cadmium and bioelements profile in nickel-cadmium battery workers in Serbia. *Toxicol Ind Health.* 2009; 25(2), 129–135.
123. Friberg L. Cadmium and the kidney. *Environ Health Perspect.* 1984; 54, 1–11.

124. Faroon O, Ashizawa A, Wright S, Tucker P & Jenkins K. Toxicological Profile for Cadmium. Atlanta (GA): Agency for Toxic Substances and Disease Registry (US). 2012 Sep. 7. P.333-342.

