

DAFTAR PUSTAKA

- Abdellatif, H.M., Burt, B.A. (1987). An epidemiological investigation into the relative importance of age and oral hygiene status as determinants of periodontitis. *J Dent Res*,66(1):13-8.
- Abebaw, M., Messele, A., Hailu, M., Zewdu, F. (2016). Adherence and associated factors towards antidiabetic medication among type II diabetic patients on follow-up at University of Gondar Hospital, Northwest Ethiopia. *Advances in nursing*.
- Abiko, Y., Selimovic, D. (2010). The mechanism of protracted wound healing on oral mucosa in diabetes. *Review. Bosn J Basic Med Sci*, 10: 186– 91.
- ADA. (2022). *Toothbrushes*. <https://www.ada.org/resources/ada-library/oral-health-topics/toothbrushes#:~:text=The%20consensus%20recommendation%20is%20for,toothbrushes%20can%20be%20used%20effectively>. Diakses pada 20 April 2024.
- Alahmari, M.M., AlShaiban, H.M., Mahmood, S.E. (2023). Prevalence and Associated Factors for Periodontal Disease among Type I and II Diabetes Mellitus Patients: A Cross-Sectional Study. *Healthcare*, 11, 796. <https://doi.org/10.3390/healthcare11060796>
- Alalouf, M., Miller, S., Wherry, L.R. (2019). What Difference Does a Diagnosis Make? Evidence from Marginal Patients. *National Bureau of Economic Research*. 263:63.
- Al-Qazaz, H.K, Hassali, M.A, Shafie, A.A, Sulaiman, S.A., Sundram, S., Morisky, D.E. (2010). The eight-item Morisky Medication Adherence Scale MMAS: translation and validation of the Malaysian version. *Diabetes Res Clin Pract*. 90(2):216-21.
- Al Shafey, A., & Khalil, E. (2021). Type 2 diabetes mellitus and oral health problems Cross-sectional study. *Egyptian Dental Journal*. 67(1):315–321. <https://doi.org/10.21608/edj.2020.42546.1254>
- Al-Zahrani, M.S., Borawski, E.A., Bissada, N.F. (2005). Increased physical activity reduces prevalence of periodontitis. *J Dent*. 33(9):703–10. doi: 10.1016/j.jdent.2005. 01.004
- Amaltinga, A.P.M. (2017). Non adherence to diabetic medication among diabetic patients, a case study of Dormaa Hospital Ghana. *Science Journal of Public Health*, 5(2): 88–97.
- Amin, N., Saleem, I., Hoti, K.K., Abbasi, M.M., Usman, K., Khan, R., Sahar, T. (2021). Coreelation of Smoking and Dental Caries with Diabetes and Dental Implants. *Journal of Hunan University*. 48:9.
- Aoyama, N., Suzuki, J.I., Kobayashi, N., Hanatani, T., Ashigaki, N., Yoshida, A., Shiheido, Y., Sato, H., Kumagai, H., Ikeda, Y., Akazawa, H., Komuro, I.,

- Minabe, M., Izumi, Y., Isobe, M. (2018). Japanese Cardiovascular Disease Patients with Diabetes Mellitus Suffer Increased Tooth Loss in Comparison to Those without Diabetes Mellitus-A Cross-sectional Study. *Intern Med.* 15;57(6):777-782. doi: 10.2169/internalmedicine.9578-17.
- Araki, E., Goto, A., Kondo, T., Noda, M., Noto, H., Origasa, H., et al. (2020). Japanese clinical practice guideline for diabetes 2019. *Diabetol Int.* 11(3):165–223.
- Arboleda, S., Vargas, M., Losada, S., Pinto, A. (2019). Review of obesity and periodontitis: an epidemiological view. *Br Dent J.* 227(3):2359. doi: 10.1038/s41415-019-0611-1
- Arubaku, W., Tusubira, D., Ssedyabane, F. et al. (2023). Prevalence, correlates and treatment needs of dental caries in patients attending a diabetic clinic in rural southwestern Uganda: a cross-sectional study. *BMC Oral Health* 23, 446. <https://doi.org/10.1186/s12903-023-03156-y>
- Atkinson, M.A., Eisenbarth, G.S., Michels, A.W. (2014). Type 1 diabetes. *Lancet.* 4;383(9911):69-82. doi: 10.1016/S0140-6736(13)60591-7
- Ausavarungnirun, R., Wisetsin, S., Rongkiettechakorn, N., Chaichalermsak, S., Udampol, U., & Rattanasompattikul, M. (2016). Association of dental and periodontal disease with chronic kidney disease in patients of a single, tertiary care centre in Thailand. *BMJ Journal.* <https://doi.org/10.1136/bmjopen-2016>
- Ayele, A.A., Tegegn, H.G, Ayele, T.A., Ayalew, M.B. (2019). Medication regimen complexity and its impact on medication adherence and glycemic control among patients with type 2 diabetes mellitus in an Ethiopian general hospital. *BMJ Open Diabetes Research Care.* 7(1):e000685.
- Azarphazooch, A., Leake, J.L. (2006). Syetamtic Review of the Association Between Respiratory Diseases and Oral Health. *J Periodontol.* 77(9):1465-82
- Babu, K., et al. (2019). Oral Manifestations in Diabetes Mellitus. *The Dentist.* 1(8): 28-30.
- Balfe, M., Brugha, R., Smith, D., Sreenan, S., Doyle, F., Conroy, R. (2014). Why do young adults with Type 1 diabetes find it difficult to manage diabetes in the workplace?. *Health Place.* 26: 180–7.
- Basu, S., Yoffe, P., Hills, N., Lustig, R.H. (2013). The relationship of sugar to population-level diabetes prevalence: an econometric analysis of repeated cross-sectional data. *PLoS ONE.* 8(2):e57873
- Bawadi, H., Khader, Y., Haroun, T., Al-Omari, M., Tayyem, R. (2011). The association between periodontal disease, physical activity and healthy diet among adults in Jordan. *J Periodontal Res.* 46:74–81. doi: 10.1111/j.1600-0765.2010.01314.x
- Bazyar, H., Adibmanesh, A., Javid, A.Z., Maghsoumi-Norouzabad, L., Gravand, E., Alipour, M. (2019). The relationship between metabolic factors and anthropometric indices with periodontal status in type 2 diabetes mellitus patients with chronic periodontitis. *Obes Med.* 16:100138.
- Beheshti, M., Badner, V., Shah, P., Margulis, K.S., Yeroshalmi, F. (2021). Association of diabetes and dental caries among U.S. adolescents in the NHANES Dataset. *Pediatr Dent.* 43:123–8.

- Bem, D.J. (1967). Self-perception: An alternative interpretation of cognitive dissonance phenomena. *Psychological Review*. 74:183-200.
- Benowitz, N.L., Jones, R.T., Jacob, P. (1986). 3rd Additive cardiovascular effects of nicotine and ethanol. *Clinical pharmacology and therapeutics*. 40(4):420-4.
- Bergström, J., Juraj, B., & Sören, E. (2004). Tobacco smoking and dental periapical condition. *European Journal of Oral Science*. 112(2), 115-120.
- Bomfim, R.A., Frias, A.C., Pannuti, C.M., Zilbovicius, C., Pereira, A.C. (2018). Socio-economic factors associated with periodontal conditions among Brazilian elderly people - Multilevel analysis of the SBSP15 study. *PLoS One*. 13(11): e0206730
- Bicaa, I., Cunhaa, M., Reish, M., Costa, J., Costa, P., Bica, A. (2014). Food consumption, body mass index and risk for oral health in adolescents. *Aten Primaria*. 5:154-159.
- Bilbilova, E. Z. (2020). Dietary Factors, Salivary Parameters, and Dental Caries. *Dental Caries*, 1-18.
- Billings, M., Dye, B.A., Iafolla, T., Grisius, M., Alevizos, I. (2017). Elucidating the role of hyposalivation and autoimmunity in oral candidiasis. *Oral Dis*. 23:387-94. doi: 10.1111/odi.12626
- Borgnakke, W.S., Anderson, P.F., Shannon, C., Jivanescu, A. (2015). Is there a relationship between oral health and diabetic neuropathy? *Curr Diab Rep*. 15:93. doi: 10.1007/s11892-015-0673-7
- Borgnakke, W.S. and Poudel, P. (2021). Diabetes and Oral Health: Summary of Current Scientific Evidence for Why Transdisciplinary Collaboration is Needed. *Front Dent Med*, 2.
- Brito, A.C.M., Bezerra, I.M., Cavalcante, D.D.F.B., Pereira, A.C, Vieira, V., Montezuma, M.F., et al. (2020). Dental caries experience and associated factors in 12- year-old-children: a population based-study. *Braz Oral Res*. 34:1-10.
- Carroll, S., Dudfield, M. (2004). What is the relationship between exercise and metabolic abnormalities? A review of the metabolic syndrome. *Sports Med*. 34(6):371-418. doi: 10.2165/00007256-200434060-00004. PMID: 15157122.
- CDC. (2022). *Diabetes and Oral Health*. <https://www.cdc.gov/diabetes/managing/diabetes-oral-health.html#:~:text=If%20the%20sugar%20level%20is,also%20lead%20to%20tooth%20loss>. (diakses pada 1 Agustus 2023)
- Chang, A.M., Halter, J.B. (2003). Aging and insulin secretion. *Am J Physiol Endocrinol Metab*. 284: E7-E12
- Chapple, I.L.C., Milward, M.R., Ling-Mountford, N., et al. (2012). Adjunctive daily supplementation with encapsulated fruit, vegetable and berry juice powder concentrates and clinical periodontal outcomes: A double-blind RCT. *J Clin Periodontol*. 39:62-72.

- Chan, Charlotte & Chan, Alice & Chu, Chun-Hung & Tsang, Yiu. (2023). Physical activity as a modifiable risk factor for periodontal disease. *Frontiers in Oral Health*. 4. 10.3389/froh.2023.1266462.
- Chen, H.F., Lin, Y.T., Lin, J.Y., Lee, H.E. (2023). Rural-urban disparities in Oral Health-related Quality of Life for middle-aged and older adults with diabetes in Taiwan. *Front Public Health*. 11:1162201. doi: 10.3389/fpubh.2023.1162201.
- Chilla, R. Sialadenosis of the salivary glands of the head. (1981). Studies on the physiology and pathophysiology of parotid secretion. *Adv Otorhinolaryngol*. 26: 1-38.
- Choi, H.M., Han, K., Park, Y.G., Park, J.B. (2016). Associations between the number of natural teeth and renal dysfunction. *Medicine*. 95:e4681. doi: 10.1097/MD.0000000000004681
- Ciol, M. A., Hoffman, J. M., Dudgeon, B. J., Shumway-Cook, A., Yorkston, K. M., & Chan, L. (2006). Understanding the Use of Weights in the Analysis of Data From Multistage Surveys. *Archives of Physical Medicine and Rehabilitation*, 87(2): 299–303. doi:10.1016/j.apmr.2005.09.021
- Cogulu, D., Sabah, E., Kutukculer, N., Ozkinay, F. (2006). Evaluation of the relationship between caries indices and salivary secretory IgA, salivary pH, buffering capacity and flow rate in children with Down's syndrome. *Arch Oral Biol*. 51(01):23–28.
- Corraini, P., Baelum, V., Pannuti, C.M., Pustiglioni, A.N., Romito, G.A, Pustiglioni, F.E. (2008). Periodontal attachment loss in an untreated isolated population of Brazil. *J Periodontol*. 79: 610–20.
- D'Aiuto, F. (2009). *Guideline on oral health for people with diabetes*. Available from: <https://www.idf.org/e-library/>. Accessed September 29, 2023.
- D'Aiuto F. et al. (2018). Systemic effects of periodontitis treatment in patients with type 2 diabetes: A 12 month, single-centre, investigatormasked, randomised trial. *Lancet Diabetes Endocrinol*. 6, 954–965.
- Dakroub, D., Sakr, F., Dabbous, M., Dia, N., Hammoud, J., Rida, A., Ibrahim, A., Fahs, H., Obeid, S., Hallit, S., Malaeb, D. (2023). The socio-demographic and lifestyle characteristics associated with quality of life among diabetic patients in Lebanon: a cross-sectional study. *Pharm Pract (Granada)*.21(1):2775.
- Dasanayake, A.P., Warnakulasuriya, S., Harris, C.K., Cooper, D.J., Peters, T.J. (2010). Tooth decay in alcohol abusers compared to alcohol and drug abusers. *Int J Dent*.1–6.
- Davies, M.J., D' Alessio, D.A., Fradkin, J., Kernan, W.N., Mathieu, C., Mingrone, G., et al. (2018). Management of hyperglycemia in type 2 diabetes, 2018. A consensus report by the American diabetes association (ADA) and the European association for the study of diabetes (EASD). *Diabetes Care*. 41(12):2669–701.

- de Abreu, M.H.N.G., Cruz, A.J.S., Borges-Oliveira, A.C., Martins, R.C., Mattos, F.F. (2021). Perspectives on Social and Environmental Determinants of Oral Health. *Int J Environ Res Public Health*. 18(24):13429. doi: 10.3390/ijerph182413429.
- Dietrich, T., Walter, C., Oluwagbemigun, K., et al. (2015). Smoking, Smoking Cessation, and Risk of Tooth Loss: The EPIC-Potsdam Study. *Journal of Dental Research*. 94(10):1369-1375
- Dodington, D.W., Fritz, P.C., Sullivan, P.J., Ward, W.E. (2015). Higher intakes of fruits and vegetables, β -carotene, vitamin C, α -tocopherol, EPA, and DHA are positively associated with periodontal healing after nonsurgical periodontal therapy in nonsmokers but not in smokers. *J Nutr*. 145:2512–2519
- Dörfer, C., Benz, C., Aida, J., Campard, G. (2017). The relationship of oral health with general health and NCDs: a brief review. *Int Dent J*. 67 Suppl 2(Suppl 2):14-18. doi: 10.1111/idj.12360. PMID: 29023744; PMCID: PMC9378917.
- Drachev, S.N., Brenn, T., Trovik, T.A. (2017). Dental caries experience and determinants in young adults of the Northern State Medical University, Arkhangelsk, Northwest Russia: a cross-sectional study. *BMC Oral Health*. 17(1):136. doi: 10.1186/s12903-017-0426-x
- Eberhard, J., Stiesch, M., Kerling, A., Bara, C., Eulert, C., Hilfiker-Kleiner, D., Hilfiker, A., Budde, E., Bauersachs, J., Kück, M. (2014). Moderate and severe periodontitis are independent risk factors associated with low cardiorespiratory fitness in sedentary non-smoking men aged between 45 and 65 years. *J Clin Periodontol*. 41:31–37. doi: 10.1111/jcpe.12183.
- Eriksson, K., Nise, L., Kats, A., Luttrupp, E., Catrina, A.I., Askling, J et al. (2016). Prevalence of Periodontitis in Patients with Established Rheumatoid Arthritis: A Swedish Population Based Case-Control Study. *PLoS One*. 11(5): e0155956.
- Fahad, A.H., Mohamed, R.A., Layedh, N.M.H. (2020). Effect of Alcohol Consumption Severity on Oral Health Status in Relation to Salivary Parameters, Smoking and Tooth Wear in Baghdad, Iraq. *Medico-legal Update*, 20 (4).
- Fajriyah, N., Sudiana, I.K., Wahyuni, E.D. (2023). Level of physical activity in patients with type 2 diabetes. *Journal of Diabetes & Metabolic Disorders*.
- Field, E. A., Nind, D., Varga, E. & Martin, M. V. (1998). The effect of chlorhexidine irrigation on the incidence of dry socket: A pilot study. *Br. J. Oral. Maxillofac. Surg*. 26, 395–401
- Garcia, M.N., Hildebolt, C.F., Miley, D.D., Dixon, D.A., Couture, R.A., Spearie, C.L., Langenwalter, E.M., Shannon, W.D., Deych, E., Mueller, C., et al. (2011). One-year effects of vitamin D and calcium supplementation on chronic periodontitis. *J. Periodontol*. 82:25–32. doi: 10.1902/jop.2010.100207.
- Genco, R.J., Borgnakke, W.S. (2020). Diabetes as a potential risk for periodontitis: association studies. *Periodontol 2000*. 83:40–5. doi: 10.1111/prd.12270

- Giri, A.B., Shinde, V.T., Lengare, P.R., and Shinde, R.D. (2020). Lifestyle modifications: A key to manage diabetes. *GSC Biological and Pharmaceutical Sciences*,13(03): 141-148
- Golpasand, Hagh, L., Zakavi, F., Ansarifar, S., Ghasemzadeh, O., Solgi, G. (2013). Association of dental caries and salivary sIgA with tobacco smoking. *Aust Dent J*. 58(02):219–223
- Gondivkar, S. M. et al. (2019). Nutrition and oral health. *Dis. Mon.* 65, 147–154.
- Gregg, E.W., Li, Y., Wang, J., Burrows, N.R., Ali, M.K., Rolka, D., et al. (2014). Changes in diabetes-related complications in the United States, 1990–2010. *N Engl J Med*. 370(16):1514–23.
- Griffin, S.O., Jones, J.A., Brunson, D., Griffin, P.M., Bailey, W.D. (2012). Burden of oral disease among older adults and implications for public health priorities. *Am J Public Health*.102(9):e3–e4.
- Guggenheimer, J., Close, J.M, Eghtesad, B. (2009). Sialadenosis in Patients with Advanced Liver Disease. *Head Neck Pathol* 2009; 3: 100-105
- Gupta, S., Maharjan, A., Dhami, B., Amgain, P., Katwal, S. et al. (2018). Status of Tobacco Smoking and Diabetes with Periodontal Disease. *J Nepal Med Assoc*. 56(213):818-24.
- Guthold, R, Stevens, G.A., Riley, L.M., Bull, F.C. Worldwide trends in insufficient physical activity from 2001 to 2016: a pooled analysis of 358 population-based surveys with 1.9 million participants. *Lancet Glob Health*. 2018 Oct;6 (10):e1077-86. [https://doi.org/10.1016/S2214-109X\(18\)30357-7](https://doi.org/10.1016/S2214-109X(18)30357-7)
- Hair, Joseph F, William C Black, Barry J Babin, Rolph E Anderson. *Multivariate Data Analysis*. 7th ed. New York: Prentice Hall. 2010
- Hajishengallis, G. & Chavakis, T. (2021). Local and systemic mechanisms linking periodontal disease and inflammatory comorbidities. *Nat. Rev. Immunol.* <https://doi.org/10.1038/s41577-020-00488-6>.
- Hamasha, A.A., Alsolaihim, A.A., Alturki, H.A., Alaskar, L.A., Alshunaiber, R.A., Aldebasi, W.T. The relationship between body mass index and oral health status among Saudi adults: a cross-sectional study. *Community Dent Health*. 2019;36(1):217–22. doi: 10.1922/CDH_4361Hamasha06.
- Hamid, H., Adanir, N., Asiri, F. Y.I., Abid, K., Zafar, M.S., Khurshid, Z. Salivary IgA as a useful biomarker for dental caries in Down’s syndrome patients: a systematic review and meta-analysis. *Eur J Dent*. 2020;14(04):665–671.
- Han, K., Park, J.B. (2018). Clinical implications of age and sex in the prevalence of periodontitis in Korean adults with diabetes. *Exp Ther Med*. 15(4):3865-3873. doi: 10.3892/etm.2018.5880.
- Han, S.J., Son, Y.J., Kim, B.H. Association between Diabetes Mellitus and Oral Health Status in Patients with Cardiovascular Diseases: A Nationwide Population-Based Study. *Int J Environ Res Public Health*. 2021 May 4;18(9):4889. doi: 10.3390/ijerph18094889. PMID: 34064391; PMCID: PMC8125754.
- Hastono, S. P. (2016). *Analisis Data Pada Bidang Kesehatan*. Jakarta: Raja Grafindo Persada.

- Huang, Y., Cai, X., Mai, W., Li, M., Hu, Y. (2016). Association between prediabetes and risk of cardiovascular disease and all-cause mortality: systematic review and meta-analysis. *BMJ*. ;355:i5953; DOI:10.1136/bmj.i5953
- Howells, L., Musaddaq, B., McKay, A.J., Majeed, A. (2016). Clinical impact of lifestyle interventions for the prevention of diabetes: an overview of systematic reviews. *BMJ Open*. 21;6(12):e013806.
- Harrison, E.L., Desai, R.A, McKee, S.A. (2008). Nondaily smoking and alcohol use, hazardous drinking, and alcohol diagnoses among young adults: findings from the NESARC. *Alcoholism: Clinical and Experimental Research*. 32(12):2081–7
- Hashim, D., Sartori, S., Brennan, P., et al. (2016). The role of oral hygiene in head and neck cancer: results from International Head and Neck Cancer Epidemiology (INHANCE) consortium. *Ann Oncol*. 27:1619–1625. doi: 10.1093/annonc/mdw224
- He, J., Li, Y., Cao, Y., Xue, J., Zhou, X. (2015). The oral microbiome diversity and its relation to human disease. *Folio Microbiologica*. 60: 69-80
- Henshaw, M.M., Calabrese, J.M. (2001). Oral health and nutrition in the elderly. *Nutr. Clin. Care*. 4:34–42. doi: 10.1046/j.1523-5408.2001.00109.x.
- Hujoel, P.P. (2008). Destructive periodontal disease and tobacco and cannabis smoking. *JAMA*. 299: 574–5.
- Husky, M.M., Paliwal, P., Mazure, C.M., McKee, S.A. (2007). Gender differences in association with substance use diagnoses and smoking. *Journal of addiction medicine*. 1(3):161–4.
- Iba, B., Adamu, V.E. (2021). Tooth brushing: An effective oral hygiene measure. *Orapuh Journal*. <https://orapuh.org/ojs/ojs-3.1.2-4/index.php/orapj/article/view/39/33>
- IDF. (2019). *IDF Clinical Practice Recommendations for Managing Type 2 Diabetes in Primary Care*. International Diabetes Federation. Available from: <https://www.idf.org/e-library/guidelines/128-idf-clinical-practice-recommendations-formanaging-type-2-diabetes-in-primary-care.html>, diakses pada 1 Agustus 2023
- IDF Clinical Guidelines Task Force. (2009). *IDF Guideline on oral health for people with diabetes*. Brussels: International Diabetes Federation.
- Iizuka, T., Nishiyama, K., Chen, B., Eggleston, K. (2021). False alarm? Estimating the marginal value of health signals. *J Publ Econ*. 195:104368. <https://doi.org/10.1016/j.jpubeco.2021.104368>
- Ilangovan, S., Gajendran, P.L., Mani, G. (2021). Prevalence of Gingivitis and Periodontitis among Diabetic and Hypertension Patients Visiting a University Dental Hospital: A Retrospective Analysis. *Annals of R.S.C.B*. 25(3): 6288-6309
- Imoscopi, A., Inelmen, E.M., Sergi, G., Miotto, F., Manzato, E. (2012). Taste loss in the elderly: epidemiology, causes and consequences. *Aging Clin Exp Res*. 24(6):570–579. doi:10.3275/8520

- Issrani, R., Sghaireen, M.M., Reddy, J., Rao, K. (2023). Exploring an Association between Body Mass Index and Oral Health- A Scoping Review. *Diagnostics*, 13, 902.
- Iwasaki, M., Moynihan, P., Manz, M.C, et al. (2013). Dietary antioxidants and periodontal disease in community-based older Japanese: A 2-year follow-up study. *Public Health Nutr.* 16:330–338
- Jhugroo, C., Divakar, D.D., Jhugroo, P., Al-Amri, S.A.S., Alahmari, A.D., Vijaykumar S, et al. (2019). Characterization of oral mucosa lesions and prevalence of yeasts in diabetic patients: a comparative study. *Microb Pathog.* 126:363– 67. doi: 10.1016/j.micpath.2018.11.028
- Joshi, S., Suominen, A.L., Knuuttila, M., Bernabé, E. (2018). Toothbrushing behaviour and periodontal pocketing: An 11-year longitudinal study. *J. Clin. Periodontal*, 45, 196–203.
- Kabali, T.M., Mumghamba, E.G. (2018). Knowledge of Periodontal Diseases, Oral Hygiene Practices, and Self-Reported Periodontal Problems among Pregnant Women and Postnatal Mothers Attending Reproductive and Child Health Clinics in Rural Zambia. *Int J Dent.* 2018: 9782092
- Kalanzi, D., Mayanja-Kizza, H., Nakanjako, D., Mwesigwa, C.L., Ssenyonga, R., Amaechi, B.T. (2019). Prevalence and factors associated with dental caries in patients attending an HIV care clinic in Uganda: a cross sectional study. *BMC Oral Health.* 19(1):1–8. doi: 10.1186/s12903-019-0847-9
- Kalyani, R.R., Corriere, M., Ferrucci, L. (2014). Agerelated and disease-related muscle loss: the effect of diabetes, obesity, and other diseases. *Lancet Diabetes Endocrinol.* 2:819–829
- Kamoda, T., Komatsuzaki, A., Ono, S., Tanaka, S., Yokoi, Y. (2020). Association between Drinking Habits and Oral Symptoms: A Cross-Sectional Study Based on Japanese National Statistical Data. *Int J Dent*, 8;2020:8874587. doi: 10.1155/2020/8874587. PMID: 33488717; PMCID: PMC7787800.
- Katzmarzyk, P.T. (2007). The role of physical activity and fitness in the prevention and treatment of metabolic syndrome. *Curr Cardiovasc Risk Rep*,1(3): 228–236
- Katzmarzyk, P.T., Friedenreich, C., Shiroma, E.J., Lee, I.M. (2022). Physical inactivity and non-communicable disease burden in low-income, middleincome and high-income countries. *Br J Sports Med*, 56 (2):101-6. <https://doi.org/10.1136/bjsports-2020-10364>
- Kementerian Kesehatan. (2018). *Laporan Riset Kesehatan Dasar Tahun 2018*. Jakarta: Kementerian Kesehatan
- Khan, T. (2018). Oral manifestations and complications of diabetes mellitus: a review. *Int J Health Res.* 4:50-2. doi: 10.22271/ijmhr.
- Kim, H.B, Lee, S.A., Lim, W. (2019). Knowing is not half the battle: Impacts of information from the National Health Screening Program in Korea. *J Health Econ.* 65:1–14. <https://doi.org/10.1016/j.jhealeco.2019.01.003>.
- Kim, J., Kim, H. J., Jeon, J., & Song, T. J. (2022). Association between oral health and cardiovascular outcomes in patients with hypertension: a nationwide cohort

- study. *Journal of Hypertension*, 40(2), 374–381.
<https://doi.org/10.1097/HJH.0000000000003022>
- Kinanthi, P.S., Santoso, O. 2018. Perbedaan Kondisi Rongga Mulut Penderita DM Tipe 2 Tidak Terkontrol dan Terkontrol.
- Kiryowa, H.M, Munabi, I.G., Buwembo, W., et al., (2022). Prevalence and Factor Associated with Periodontal Disease in Patients with Diabetes Mellitus Attending Kiruddu National Referral Hospital, Uganda. *Pan African Medical Journal*. 43(202).
- Knecht, M. C., Keinanen-Kiukaanniemi, S. M., Knuutila, M. L. E., & Syrjala, A.-M. H. (2001). Self-esteem as a characteristic of adherence to diabetes and dental self-care regimens. *Journal of Clinical Periodontology*, 28(2), 175–180. doi:10.1034/j.1600-051x.2001.028002175.x
- Kondo, K, Ishikado, A., Morino, K., et al. (2014). A high-fiber, low-fat diet improves periodontal disease markers in high-risk subjects: A pilot study. *Nutr Res*. 34:491–498
- Koo, S.M., Park, Y.J., Hwang, J.Y. (2013). Association between consumption of fruits and vitamin c and generalized periodontitis in Korean adults: The 2007–2010 Korean National Health and Nutrition Examination Surveys. *J. Korean Soc. Dent. Mater*. 40:77–85.
- Kurniawan, A.A., Wedhawati, M.W., Triani, M., Iman, D.N.A, Laksitasari, A. (2020). Laporan Kasus: Xerostomia pada Penderita Diabetes Mellitus Tipe 2. *Stomatognathic (JKG Unej)*.17(1):33–6.
- Lages, E.J, Costa, F.O., Lages, E.M., Cota, L.O., Cortelli, S.C., Nobre-Franco, G.C, et al. (2012). Risk variables in the association between frequency of alcohol consumption and periodontitis. *J Clin Periodontol*. 39(2):115–122. doi: 10.1111/j.1600-051X.2011.01809.x.
- Lahelma, E., Martikainen, P., Laaksonen, M., Aittomäki, A. (2004). Pathways between socioeconomic determinants of health. *J Epidemiol Commun Health*. 58(4):327–332. doi: 10.1136/jech.2003.011148.
- Lamster, I.B., Lalla, E., Borgnakke, W.S., Taylor, G.W. (2008). The relationship between oral health and diabetes mellitus. *J Am Dent Assoc*.139:19S–24S. doi:10.14219/jada.archive.2008.0363
- Lee, M., Choi, Y.H., Sagong, J., Yu, S., Kim, Y., Lee, D., Kim, S. (2016). The interactive association of smoking and drinking levels with presence of periodontitis in South Korean adults. *BMC Oral Health*. 16(1):80. doi: 10.1186/s12903-016-0268-y. PMID: 27557802; PMCID: PMC4997691.
- Li, J., Zhang, C., Liu, H., Liu, J., & Jiao, Z. (2020). Profiles of Sugar and Organic Acid of Fruit Juices: A Comparative Study and Implication for Authentication. *Journal of Food Quality*.
- Liljestrand, J.M., Havulinna, A.S., Paju, S., Männistö, S., Salomaa, V., Pussinen, P.J. (2015). Missing teeth predict incident cardiovascular events, diabetes, and death. *J Dent Res*. 94:1055–62. doi: 10.1177/0022034515586352

- Lindblad, S.S., Mydel, P., Jonsson, I.M., Senior, R.M., Tarkowski, A., Bokarewa, M. (2009). Smoking and nicotine exposure delay development of collagen-induced arthritis in mice. *11*: R88.
- Loerbroks, A., Nguyen X.Q., Vu-Eickmann, P., Krichbaum, M., Kulzer, B., Icks, A., Angerer, P. (2018) Psychosocial working conditions and diabetes self-management at work: a qualitative study. *Diabetes Res Clin Pract.*140, 129–38.
- Luo, H , Wu, Q , Bell, RA , Wright, W , Quandt, SA , Basu, R, et al. Rural-urban differences in dental service utilization and dental service procedures received among US adults: results from the 2016 medical expenditure panel survey. *J Rural Health.* (2021) 37:655–66. doi: 10.1111/jrh.12500
- Machado, V., Botelho, J., Viana, J., Pereira, P., Lopes, L.B., Proenca, L., et al. (2021). Association between Dietary Inflammatory Index and periodontitis: a cross-sectional and mediation analysis. *Nutrients.* 13:1194. doi: 10.3390/nu13041194
- Madani, A.H., Dikshit, M., Bhaduri, D., Aghamolaei, T., Moosavy, S.H., Azarpaykan, A. (2014). Interaction of alcohol use and specific types of smoking on the development of oral cancer. *Int J High Risk Behav Addict.* 3(1):e12120. doi: 10.5812/ijhrba.12120. PMID: 24971295; PMCID: PMC4070185.
- Maia, A.G., Sakamoto, A. (2015). Occupational structure and socioeconomic inequality: a comparative study between Brazil and the United States. *Econ Soc (Campinas).* 24 (2):229-61. <https://doi.org/10.1590/1982-3533.2015v24n2art1>
- Maldonado, G., Greenland, S. (1994). Simulation Study of Confounder-Selection Strategies. *American Journal of Epidemiology.* 138(11): 923-936.
- Malvania, E.A., Sheth, S.A., Sharma, A.S., Mansuri, S., Shaikh, F., Sahani, S. (2016). Dental caries prevalence among type II diabetic and nondiabetic adults attending a hospital. *J Int Soc Prev Community Dent.* 6(Suppl 3):S232-S236.
- Maranta, F., Cianfanelli, L., Cianflone, D. (2021). Glycaemic control and vascular complications in diabetes mellitus type 2. *Adv Exp Med Biol.* 1307:129–152. doi:10.1007/5584_2020_514
- Maricelle A. Diabetes and dental caries prevalence: is there an association? New York: University of Richester. 2009. 138 (7-8)
- Mariri, B., Levy, S., Warren, J., Bergus, G., Marshall, T., Broffitt, B. (2003). Medically administered antibiotics, dietary habits, fluoride intake and dental caries experience in the primary dentition. *Community Dent. Oral Epidemiol,* 1, 40–51.
- Marruganti, C., Traversi, J., Gaeta, C., Ferrari Cagidiaco, E., Parrini, S., Discepoli, N., et al. (2022). Adherence to Mediterranean diet, physical activity level, and severity of periodontitis: results from a university-based cross-sectional study. *J Periodontol.* 93(8):1218–32. doi: 10.1002/JPER.21-0643
- Mauri-Obradors, E., Estrugo-Devesa, A., Jané-Salas, E., Viñas, M., López-López, J. (2017). Oral manifestations of Diabetes Mellitus. A systematic review. *Med Oral Patol Oral Cir Bucal.* 22(5):e586-94. doi: 10.4317/medoral.21655.

- McKee, S.A., Weinberger, A.H. (2013). How can we use our knowledge of alcohol-tobacco interactions to reduce alcohol use? *Annual review of clinical psychology*. 9:649–74.
- McKee, S.A, Falba, T., O'Malley, S.S., Sindelar, J., O'Connor, P.G. (2007). Smoking status as a clinical indicator for alcohol misuse in US adults. *Archives of Internal Medicine*.167(7):716–21.
- Mealey, B.L, Oates, T.W. (2006). Diabetes mellitus and periodontal diseases. *J Periodontal*. 77(8):1289–1303. doi:10.1902/jop.2006.050459
- Meisel, P., Reifenger, J., Haase, R., Nauck, M., Bandt, C., Kocher, T. (2008). Women are periodontally healthier than men, but why don't they have more teeth than men? *Menopause*. 15(2):270–275.
- Mesfin, Y., Assegid, S., Beshir, M. (2017). Medication adherence among type 2 diabetes ambulatory patients in Zewditu Memorial Hospital, Addis Ababa, Ethiopia. *Epidemiology (Sunnyvale)*. 7(5):1–12.
- Miller, A., Ouanounou, A. (2020). Diagnosis, management, and dental considerations for the diabetic patient. *J Can Dent Assoc*. 86:k8.
- Minervini, G., Franco, R., Marrapodi, M.M. *et al*. Children oral health and parents education status: a cross sectional study. *BMC Oral Health* 23, 787 (2023).
- Mohamed K, Yates J, Roberts A. Diabetes mellitus: considerations for the dental practitioner. *Dent Update*. 2014;41(2):144–154. doi:10.12968/denu.2014.412.144
- Moldvai, J., Orsós, M., Herczeg, E., Uhrin, E., Kivovics, M., & Németh, O. (2022). Oral health status and its associated factors among post-stroke inpatients: a cross-sectional study in Hungary. *BMC Oral Health*, 22(1). <https://doi.org/10.1186/s12903-022-02259-2>
- Munro, C.L., Grap, M.J. (2004). Oral health and care in the intensive care unit: state of the science. *JAJocc*. 13(1):25-34
- Nand, K.Y., Oommen, A.M., Chacko, R.K., Abraham, V.J. (2018). Chronic Periodontitis among Diabetics and Nondiabetics Aged 35-65 years, in a Rural Block in Vellore, Tamil Nadu: A Cross-Sectional Study. *Indian Society of Periodontology*, 21(4).
- Nazeer, T., Tahir, A., Din, S.T, et al. (2020). Level of Physical Activity Among Diabetic Patients of Rural and Urban Areas. *PJHMS*.
- Neo, J., Fettes, L., Gao, W., et al. (2017). Disability in activities of daily living among adults with cancer: a systematic review and meta-analysis. *Cancer Treat Rev*. 61:94–106. doi: 10.1016/j.ctrv.2017.10.006.
- Nguyen, A.T.M., Akhter, R., Garde, S., Scott, C., Twigg, S.M., Colagiuri, S., et al. (2020). The association of periodontal disease with the complications of diabetes mellitus; a systematic review. *Diabetes Res Clin Pract*. 165:108244. doi: 10.1016/j.diabres.2020.108244
- Nishi, H., Obayashi, T., Ueda, T., Ohta, K., Shigeishi, H., Munenaga, S., Kono, T., Yoshioka, Y., Konishi, M., Taga, R., Toigawa, Y., Naruse, T., Ishida, E., Tsuboi, E., Oda, K., Dainobu, K., Tokikazu, T., Tanimoto, K., Kakimoto, N.,

- Ohge, H., Kurihara, H., Kawaguchi, H. (2023). Head and neck cancer patients show poor oral health as compared to those with other types of cancer. *BMC Oral Health*. 23(1):647. doi: 10.1186/s12903-023-03356-6.
- Nishida, M., Grossi S.G., Dunford R.G., Ho A.W., Trevisan M., Genco R.J. Calcium and the risk for periodontal disease. *J. Periodontol.* 2000;71:1057–1066. doi: 10.1902/jop.2000.71.7.1057.
- Novotna, M., Podzimek, S., Broukal, Z., Lencova, E., Duskova, J. (2015). Periodontal Diseases and Dental Caries in Children with Type 1 Diabetes Mellitus. *Mediators Inflamm.* 2015:379626. doi: 10.1155/2015/379626. PMID: 26347009; PMCID: PMC4539482
- Nurminen, M., Rättö, H. Impact of diabetes diagnosis on dental care utilization: evidence from Finland. *Health Econ Rev* 13, 26 (2023). <https://doi.org/10.1186/s13561-023-00440-z>
- Obradovic, R., Kesic, L.J, Gasic, J., Petrovic M, Zivkovic, N. (2012). Role of Smoking in Periodontal Disease among Diabetic Patients. *West Indian Med J.* 61(1):98.
- Offenbacher, S., Barros, S.P., Altarawneh, S., Beck, J.D., Loewy, Z.G. (2012). Impact of tooth loss on oral and systemic health. *Gen Dent.* 60:494–500.
- Ogle, G.D., James. S., Dabelea, D., Pihoker, C., Svensson, J., Maniam, J., et al. (2022). Global estimates of incidence of type 1 diabetes in children and adolescents: results from the International Diabetes Federation Atlas, 10th edition. *Diabetes Res Clin Pract*, 183: 109083.
- Ogurtsova K, da Rocha Fernandes JD, Huang Y, Linnenkamp U, Guariguata L, Cho NH, et al. IDF Diabetes Atlas: Global estimates for the prevalence of diabetes for 2015 and 2040. *Diabetes Research and Clinical Practice.* 2017;128:40–50. doi: 10.1016/j.diabres.2017.03.024
- Pakize F, Mehryari M, Hajimirzamohammad M, Bijani A, Hosseini SR, Motalebnejad M, et al. Evaluation of oral health-related quality of life in elderly people with type ii diabetes mellitus. *Iran J Heal Sci.* (2020) 8:10–20. doi: 10.18502/jhs.v8i3.4308
- John MT. Foundations of oral health-related quality of life. *J Oral Rehabil.* (2020) 48:355–9. doi: 10.1111/joor.13040
- Palacios C., Joshipura K.J., Willett W.C. Nutrition and health: Guidelines for dental practitioners. *Oral Dis.* 2009;15:369–381. doi: 10.1111/j.1601-0825.2009.01571.x.
- Palwankar, P., Blaggana, V., Tandon, S., Palwankar, D. (2021). Diabetes and Periodontitis- A Socioeconomic Disease?. *Jpurnal of Evolution of Medical and Dental Sciences*, 10 (30), 2278-4748
- Parker ML, Thornton-Evans G, Wei L, Griffin SO. (2020). Prevalence of and changes in tooth loss among adults aged ≥ 50 years with selected chronic conditions — United States, 1999–2004 and 2011–2016. *MMWR Morb Mortal Wkly Rep.* 69(21):1141–1145.
- Peres, M. A., D Macpherson, L. M., Weyant, R. J., Daly, B., Venturelli, R., Mathur, M. R., Listl, S., Keller Celeste, R., Guarnizo-Herreño, C. C., Kearns, C., Benzian, H., Allison, P., & Watt, R. G. (2019). Oral health 1 Oral diseases: a

- global public health challenge. *Lancet*. 394(10194):249-260. doi: 10.1016/S0140-6736(19)31146-8.
- Perkeni. (2021). *Pedoman Pengelolaan dan Pencegahan Diabetes Mellitus Tipe 2 di Indonesia*. Jakarta. <https://pbperkeni.or.id/wp-content/uploads/2021/11/22-10-21-Website-Pedoman-Pengelolaan-dan-Pencegahan-DMT2-Ebook.pdf>, diakses pada 10 Agustus 2023.
- Petersen PE., Yamamoto T. (2005). Improving the oral health of older people: the approach of the WHO global oral health programme. *Community Dentistry and Oral Epidemiology*. 33(2):81-92.
- Pindobilowo, Tjiptoningsih UG, Ariani D. 2023. Effective Tooth Brushing Techniques Based on Periodontal Tissue Conditions : A Narrative Review. *Formosa Journal of Applied Sciences (FJAS)*. 2(7): 1649-1662.
- Pitiphat W, Merchant AT, Rimm EB, Joshipura KJ. Alcohol consumption increases periodontitis risk. *J Dent Res*. 2003 Jul;82(7):509-13. doi: 10.1177/154405910308200704. PMID: 12821709.
- Poudel P, Griffiths R, Wong VW, Arora A, Flack JR, Khoo CL, et al. Oral health knowledge, attitudes and care practices of people with diabetes: a systematic review. *BMC Public Health*. 2018;18:577.
- Prankeviciene A, Siudikiene J, Ostrauskas R, Machiulskiene V. Severity of periodontal disease in adult patients with diabetes mellitus in relation to the type of diabetes. *Biomed Pap Med Fac Univ Palacky Olomouc Czech Repub*. 2014;158(1): 117-23.
- Prawirohartono EP. (2022). *Memahami Penelitian Epidemiologi Klinis Secara Mudah*. Yogyakarta: Gadjah Mada University Press.
- Priyono, A., Sahudi, U. (2021). Survey Aktivitas Fisik Masyarakat Pedesaan di Masa Pandemi COVID-19. *Journal Educatio*. 7(4): 1698-1705.
- Rajapakse PS, McCracken GI, Gwynnett E, Steen ND, Guentsch A, Heasman PA. Does tooth brushing influence the development and progression of non-inflammatory gingival recession? A systematic review. *J Clin Periodontol*. 2007 Dec;34(12):1046-61. doi: 10.1111/j.1600-051X.2007.01149.x. Epub 2007 Oct 22. PMID: 17953693.
- Ramos-Garcia P, Roca-Rodriguez MDM, Aguilar-Diosdado M, GonzalezMoles MA. (2021). Diabetes mellitus and oral cancer/oral potentially malignant disorders: a systematic review and meta-analysis. *Oral Dis*. 27:404– 21. doi: 10.1111/odi.13289
- Raskiliene A, Kriaucioniene V, Siudikiene J, Petkeviciene J. Self-reported oral health, oral hygiene and associated factors in Lithuanian adult population, 1994-2014. *Int J Environ Res Public Health*. 2020;17(15):E5331. doi: 10.3390/ijerph17155331.
- Ravindranath N, Raju R. Association of oral health status and oral health-related quality of life among adult patients with type 2 diabetes mellitus: A cross-

- sectional study. *J Indian Assoc Public Heal Dent.* (2020) 18:290–5. doi: 10.4103/jiaphd.jiaphd_31_20
- Rawal, I., Ghosh, S., Hameed, S.S. *et al.* (2019). Association between poor oral health and diabetes among Indian adult population: potential for integration with NCDs. *BMC Oral Health*, 19, 191. <https://doi.org/10.1186/s12903-019-0884-4>
- Regis, D., Macgregor, I. D. M. & Balding, J. W. (1994) Differential prediction of dental health behaviour by self-esteem and health locus of control in young adolescents. *Journal of Clinical Periodontology* 21, 7–12.
- Rehm J, Fichter MM, Elton M. (1993). Effect on mortality of school consumption . smoking, physical activity, and close personal relationship. *Addiction*, 88:101-112.
- Richter B, Hemmingsen B, Metzendorf M-I, Takwoingi Y. (2018). Development of type 2 diabetes mellitus in people with intermediate hyperglycaemia. *Cochrane Database Syst Rev* ;10:CD012661; DOI:10.1002/14651858.CD012661. pub2
- Rodríguez-Archilla AP-C D. Influence of physical exercise on periodontal disease: a meta-analysis. *Int J Dent Sci.* (2022) 4(1):21–6.
- Rodrigues O, Adam S, Freitas M, Martins AC, Granja AR, Nogueira P, et al. Relationship between oral health and physical activity in a young population aged 6-18 years from Seixal’s public schools, Portugal (2011-2014). *J Int Oral Health* 2017;9:228-34.
- Rohani B. Oral manifestations in patients with diabetes mellitus. *World J Diabetes.* 2019;10(9):485-9. doi: 10.4239/wjd.v10.i9.485, PMID 31558983.
- ROSENGREN A, WILHELMSSEN L, WEDEL H. Separate and Combined Effects of Smoking and Alcohol Abuse in Middle-aged Men. *Acta Medica Scandinavica.* 1988;223(2):111–8.
- Rural Health Information Hub (2022). Oral health in rural communities. Available at: <https://www.ruralhealthinfo.org/topics/oral-health#disparities> [Accessed April, 10 2024]
- Sadeghi R, Taleghani F, Farhadi S. Oral health related quality of life in diabetic patients. *J Dent Res Dent Clin Dent Prospects* 2014;8:230–4.
- Samnieng P, Ueno M, Zaitso T, Shinada K, Wright FA, Kawaguchi Y. The relationship between seven health practices and oral health status in community-dwelling elderly Thai. *Gerodontology* 2013;30:254-61.
- Saha, S.G., Paradkar, S., Bhardwaj, A. (2020). Evaluation Prevalence of Dental Caries in Diabetic Tobacco Users in A Sample Indore Population: A Cross-Sectional Study. *International Journal f Dental Science and Innovative Research*, 3(2), 406-415
- Sanchez GF, Smith L, Koyanagi A, Grabovac I, Yang L, Veronese N, et al. Associations between self-reported physical activity and oral health: a cross-sectional analysis in 17,777 Spanish adults. (2020). *Br Dent J.* 228 (5):361-5. <https://doi.org/10.1038/s41415-020-1306-3>
- Sanz, M., Ceriello, A., Buysschaert, M., Chapple, I., Demmer, R. T., Graziani, F., ... Vegh, D. (2018). Scientific evidence on the links between periodontal diseases

- and diabetes: Consensus report and guidelines of the joint workshop on periodontal diseases and diabetes by the international diabetes federation and the European Federation of Periodontology. *Journal of Clinical Periodontology*, 45(2), 138–149.
- Sari, R., Herawati, D., Nurcahyanti, R., Wardani, PK. (2017). Prevalensi Periodontitis pada Pasien Diabetes Melitus. *Majalah Kedokteran Gigi Indonesia*. 3(2)
- Sasazaki S., Inoue M., Shimazu T., et al. (2018). Evidence based cancer prevention recommendations for Japanese. *Japanese Journal of Clinical Oncology*, 48(6):576–586. doi: 10.1093/jjco/hyy048.
- Scardina, G.; Messina, P. (2012). Good Oral Health and Diet. *J. Biomed. Biotechnol.* 2012, 720692.
- Schneider, K.L., Andrews, C., Hovey, K.M., et al. (2014). Change in physical activity after a diabetes diagnosis: opportunity for intervention. *Med Sci Sports Exerc.* 46:84–91
- Schulze A, Busse M. Gender Differences in Periodontal Status and Oral Hygiene of Non-Diabetic and Type 2 Diabetic Patients. *Open Dent J.* 2016 Jun 9;10:287-97. doi: 10.2174/1874210601610010287. PMID: 27347232; PMCID: PMC4901196.
- Schwartz N, Kaye EK, Nunn ME, Spiro A, Garcia RI. High-fiber foods reduce periodontal disease progression in men aged 65 and older: the Veterans Affairs normative aging study/dental longitudinal study. *J Am Geriatr Soc.* 2012;60:676–683.
- Setia, M.S. (2016). Methodology Series Model 3: Cross-Sectional Studies. *Indian J Dermatol.* 61(3): 261-264.
- Simpson, T.C., Clarkson, J.E., Worthington, H.V., et al. (2022). Treatment of periodontitis for glycaemic control in people with diabetes mellitus. *Cochrane Database of Syst Rev.* 4(4): CD004714. doi:10.1002/14651858.CD004714.pub4
- Sifuentes, F.A.M., Castaneda-Avila, M.A., Lapane, K.L. (2020). The relationship of aging, complete tooth loss, and having a dental visit in the last 12 months. *Clin Exp Dent Res* ;6(5):550-557.
- Skoczek-Rubińska, A., Bajerska, J., Menclewicz, K. (2018). Effects of fruit and vegetables intake in periodontal diseases: A systematic review. *Dent Med Probl.* 55(4):431-439. doi: 10.17219/dmp/99072. PMID: 30592392.doding
- Sharma, S., Bajpai, J., Pathak, P.K., Pradhan, A., Singh, P., Kant, S. (2019). Oral tuberculosis - Current concepts. *J Family Med Prim Care.* 8(4):1308-1312. doi: 10.4103/jfmpc.jfmpc_97_19. PMID: 31143712; PMCID: PMC6510082
- Sharma, T., Kalra, J., Dhasmana, D., Basera, H. (2014). Poor adherence to treatment: A major challenge in diabetes. *Journal, Indian Academy of Clinical Medicine.* 15.
- Shiferaw, A., Alem, G., Tsehay, M., Kibret, G.D. (2022). Dental caries and associated factors among diabetic and nondiabetic adult patients attending Bichena

- Primary Hospital's Outpatient Department. *Frontiers in oral Health*. 3:938405. doi: 10.3389/froh.2022.938405
- Siahaan, MF, Mahmudiono T, Mahmudah, Melaniani S, Wulandari S. 2012. Risk Factors for Diabetes Mellitus in Men of Productive Age in India (National Family Health Survey 2015-2016). *Jurnal Biometrika dan Kependudukan*. 12(1):22-31.
- Sendekie AK, Netere AK, Kasahun AE, Belachew EA. Medication adherence and its impact on glycemic control in type 2 diabetes mellitus patients with comorbidity: A multicenter cross-sectional study in Northwest Ethiopia. *PLoS One*. 2022 Sep 21;17(9):e0274971. doi: 10.1371/journal.pone.0274971. PMID: 36130160; PMCID: PMC9491880.
- Sobers-Grannum N, Murphy MM, Nielsen A, Guell C, Samuels TA, et al. (2015) Female Gender Is a Social Determinant of Diabetes in the Caribbean: A Systematic Review and Meta-Analysis. *PLOS ONE* 10(5): e0126799. <https://doi.org/10.1371/journal.pone.0126799>
- Son M, Jo S, Lee D, Lucero DE, Varma JK, Vora NM. Association between oral health and incidence of pneumonia: a population-based cohort study from Korea. *Sci Rep*. (2020) 10:9576. doi: 10.1038/S41598-020-66312-2. PMCID: PMC7293333
- Soro, A. S., Lamont, R. J., Eglund, P. G., Koo, H., & Liu, Y. (2024). Dental caries. In *Molecular Medical Microbiology*(pp. 915-930). Elsevier
- Straub, R. H., Cutolo, M., Buttgerit, F. & Pongratz, G. (2010). Review: energy regulation and neuroendocrine-immune control in chronic inflammatory diseases: Review: energy regulation and neuroendocrine-immune control. *J. Intern. Med.* 267, 543–560.
- Staudte H, Sigush BW, Glockmann E. Grapefruit consumption improves vitamin C status in periodontitis patients. *Br Dent J*. 2005;199:213–217
- Suma S, Furuta M, Yamashita Y, Matsushita K. (2019). Aging, mastication, and malnutrition and their associations with cognitive disorder: evidence from epidemiological data. *Curr Oral Health Rep*. 6:89–99. doi: 10.1007/s40496-019-0220-8
- Suratri MA, Tjahja I, Setiawaty V. Correlation between dental health maintenance behavior with Dental Caries Status (DMF-T). *Bali Med J* 2018;7:56-60.
- Suzuki S, Noda T, Nishioka Y, Imamura T, Kamijo H, Sugihara N. (2020). Evaluation of tooth loss among patients with diabetes mellitus using the National Database of Health Insurance Claims and Specific Health Checkups of Japan. *Int Dent J*. 70:308–15. doi: 10.1111/idj.12561
- Swapna LA, Koppolu P, Prince J. (2017). Oral health in diabetic and nondiabetic patients with chronic kidney disease. *Saudi J Kidney Dis Transpl*. 28:1099–105. doi: 10.4103/1319-2442.215123
- Taboza ZA, Costa KL, Silveira VR, Furlaneto FA, Montenegro R, Jr, Russell S, Dasanayake A, Rego RO. Periodontitis, edentulism and glycemic control in

- patients with type 2 diabetes: a cross-sectional study. *BMJ Open Diabetes Res Care*. 2018;**6**:e000453.
- Tanzila RA, Mayasari NME, Maso DA. 2020. THE EFFECT OF MEDIUM INTENSITY PHYSICAL ACTIVITY ON BLOOD GLUCOSE LEVELS IN DIABETES MELLITUS. *International Journal of Islamic Medicine*. 1 (1):
- Taylor, J. J., Preshaw, P. M., & Lalla, E. (2013). A review of the evidence for pathogenic mechanisms that may link periodontitis and diabetes. *Journal of Clinical Periodontology*, 40(Suppl 14), S113–S134.
- Tenelanda-López, Dennys, Pedro Valdivia-Moral, and Manuel Castro-Sánchez. (2020). "Eating Habits and Their Relationship to Oral Health" *Nutrients*, 12: 9: 2619. <https://doi.org/10.3390/nu12092619>
- Tezal M, Grossi SG, Ho AW, Genco RJ. The effect of alcohol consumption on periodontal disease. *J Periodontol*. 2001;**72**(2):183–189. doi: 10.1902/jop.2001.72.2.183.
- Trentin MS, Verardi G, De C Ferreira M, de Carli JP, da Silva SO, Lima IF, Paranhos LR. Most Frequent Oral Lesions in Patients with Type 2 Diabetes Mellitus. *J Contemp Dent Pract*. 2017;**18**:107–111.
- Tuomilehto J, Ogle GD, Lund-Blix N, Stene LC. (2020). Update on worldwide trends in occurrence of childhood Type 1 Diabetes in 2020. *Pediatr Endocrinol Rev*, 17(Suppl 1):198–209
- Vandenbroucke JP, von Elm E, Altman DG, Gøtzsche PC, Mulrow CD, Pocock SJ, Poole C, Schlesselman JJ, Egger M. (2007). STROBE Initiative. Strengthening the Reporting of Observational Studies in Epidemiology (STROBE): explanation and elaboration. *Epidemiology*. 18(6):805-35. doi: 10.1097/EDE.0b013e3181577511. PMID: 18049195.
- van der Maarel-Wierink, C. D., Vanobbergen, J. N. O., Bronkhorst, E. M., Schols, J. M. G. A. & de Baat, C. Oral health care and aspiration pneumonia in frail older people: A systematic literature review. *Gerodontology* 30, 3–9 (2013).
- VanWormer, JJ , Tambe, SR , and Acharya, A . Oral health literacy and outcomes in rural Wisconsin adults. *J Rural Health*. (2019) 35:12–21. doi: 10.1111/jrh.12337
- Veghari, G., Sedaghat, M., Joshaghani, H. (2010). Association between socio-demographic factors and diabetes mellitus in the north of Iran: A population-based study. *International Journal of Diabetes Mellitus*. 2(3): 154-157.
- Verplaetse TL, McKee SA. An overview of alcohol and tobacco/nicotine interactions in the human laboratory. *Am J Drug Alcohol Abuse*. 2017 Mar;**43**(2):186-196. doi: 10.1080/00952990.2016.1189927. Epub 2016 Jul 20. PMID: 27439453; PMCID: PMC5588903.
- Voelker M A, Simmer-Beck M, Cole M, Keeven E, Tira D. Preliminary findings on the correlation of saliva pH, buffering capacity, flow, Consistency and *Streptococcus mutans* in relation to cigarette smoking. *J Dent Hyg*. 2013;**87**(01):30–37.

- Watt RG, Serban S. (2020). Multimorbidity: a challenge and opportunity for the dental profession. *Br Dent J.* 229:282– 6. doi: 10.1038/s41415-020-2056-y
- Watt, R. G. et al. (2019). Ending the neglect of global oral health: time for radical action. *Lancet* 394, 261–272.
- World Health Organization. (2023). *Classification of diabetes mellitus [Internet]*. World Health Organization; available from: <https://apps.who.int/iris/handle/10665/325182> diakses pada 1 Agustus 2023
- WHO. (2021). *Oral Health*. [https://www.who.int/news-room/fact-sheets/detail/oral-health#:~:text=Twice%2Ddaily%20tooth%20brushing%20with,1500%20ppm\)%20should%20be%20encouraged](https://www.who.int/news-room/fact-sheets/detail/oral-health#:~:text=Twice%2Ddaily%20tooth%20brushing%20with,1500%20ppm)%20should%20be%20encouraged). Diakses pada 2 Agustus 2023
- Wei L, Griffin SO, Parker M, Thornton-Evans G. (2022). Dental health status, utilization, and insurance coverage among adults with chronic conditions: implications for medical dental integration in the US. *J Am Dent Assoc.* 153(6):563–571.
- Weijndijk LPM, Ziukaite L, Van der Weijden GA, Bakker E, Slot DE. (2021). The risk of tooth loss in patients with diabetes: a systematic review and meta-analysis. *Int J Dent Hyg.* doi: 10.1111/idh.12512.
- Wernicke, K., Grischke, J., Stiesch, M. *et al.* (2021). Influence of physical activity on periodontal health in patients with type 2 diabetes mellitus. A blinded, randomized, controlled trial. *Clin Oral Invest*, 25, 6101–6107.
- Widen C, Coleman M, Cariten S, Karlgren-Andersson P, Renvert S, Persson GR. Consumption of bilberries controls gingival inflammation. *Int J Mol Sci.* 2015;16:10665–10673.
- Wolf, T. G., Cagetti, M. G., Fisher, J.-M., Seeberger, G. K., & Campus, G. (2021). Non-communicable Diseases and Oral Health: An Overview. *Frontiers in Oral Health*, 2. <https://doi.org/10.3389/froh.2021.725460>
- Wu CZ, Yuan YH, Liu HH, Li SS, Zhang BW, Chen W, et al. (2020). Epidemiologic relationship between periodontitis and type 2 diabetes mellitus. *BMC Oral Health.* 20 :204. doi: 10.1186/s12903-020-01180-w
- Yadav A, Akulwar R, Kumar N. 2020. Diabetes and Metabolic Syndrome: Clinical research. *Elsevier.* 463-467.
- Yamori M, Njelekela M, Mtabaji J, Yamori Y, Bessho K. Hypertension, periodontal disease, and potassium intake in nonsmoking, nondrinker African women on no medication. *Int J Hypertens.* 2011;2011:695719
- Yang, H , Xiao, L , Zhang, L , Deepal, S , Ye, G , and Zhang, X . Epidemic trend of periodontal disease in elderly Chinese population, 1987-2015: a systematic review and meta-analysis. *Sci Rep.* (2017) 7:45000. doi: 10.1038/srep45000
- Yoshida M, Murakami T, Yoshimura O, Akagawa YJG. The evaluation of oral health in stroke patients. 2012;29(2):e489-e93
- Yoshihara A, Watanabe R, Handa N, Miyazaki H. A longitudinal study of the relationship between diet intake and dental caries and periodontal disease in elderly Japanese subjects. *Gerodontology.* 2009;26:130–136.

Youssefi MA, Afroughi S. Prevalence and associated factors of dental caries in primary schoolchildren: an Iranian setting. *Int J Dent.* (2020) 2020:1–7.

Zhao, Y., Li, Hf., Wu, X. *et al.* Rural-urban differentials of prevalence and lifestyle determinants of pre-diabetes and diabetes among the elderly in southwest China. *BMC Public Health* 23, 603 (2023). <https://doi.org/10.1186/s12889-023-15527-9>

Zheng T, Boyle P, Zhang B, Zhang Y, Owens PH, Lan Q. *Tobacco use and risk of oral cancer.* Tobacco: Science, Policy and Public Health; 2004. pp. 399–432

World Health Organization. Fact Sheet No. 312. Diabetes. 2011;2011. p.