

DAFTAR PUSTAKA

- Asl, H. G., & Alsaran, A. (2020). In vitro comparison of commercial and ultrafine-grained titanium osteosynthesis miniplates used on mandibular fractures. *Dental and Medical Problems*, 57(4), 351–358. <https://doi.org/10.17219/DMP/123932>
- Bonanthaya, K., Panneerselvam, E., Manuel, S., Kumar, V. V., & Rai, A. (2021). *Oral and Maxillofacial Surgery for the Clinician*. Springer.
- Chourirfa, H., Bouloussa, H., Migonney, V., & Falentin-Daudré, C. (2019). Review of titanium surface modification techniques and coatings for antibacterial applications. *Acta Biomaterialia*, 83, 37–54. <https://doi.org/10.1016/j.actbio.2018.10.036>
- Devendrappa, M. C., Kulkarni, M. D., Haidry, N., Kukarni, P., & Pawar, D. A. (2021). Evaluation of surface changes of stainless steel miniplates and screws following retrieval from maxillofacial trauma and orthognathic surgery patiens : A comparative study. *National Journal of Maxillofacial Surgery*, 12(3), 357–360. <https://doi.org/10.4103/njms.NJMS>
- Ehrenfeld, M., Manson, P. N., & Prein, J. (2012). Principles of craniomaxillofacial trauma care. In *AOCMF: Principles of Internal Fixation of the Craniomaxillofacial Skeleton Trauma and Orthognathic Surgery*.
- Jhass, A. K., Johnston, D. A., Gulati, A., Anand, R., Stoodley, P., & Sharma, S. (2014). A scanning electron microscope characterisation of biofilm on failed craniofacial osteosynthesis miniplates. *Journal of Cranio-Maxillofacial Surgery*, 42(7), e372–e378. <https://doi.org/10.1016/j.jcms.2014.03.021>
- Johnson, A., Kumar, P., & Smith, J. (2023). Wettability of titanium miniplates: implications for osseointegration. *Journal of Dental Research*, 102(1), 30–36.
- Kementrian Kesehatan Republik Indonesia. (2017). Pedoman Penilaian Alat Kesehatan Sesuai Dengan Permenkes Nomor 62 Tahun 2017. *Kementrian Kesehatan Republik Indonesia*.
- Kim, D., Son, K., Sung, D., Kim, Y., & Chung, W. (2015). Effect of added ethanol in ethylene glycol-NaCl electrolyte on titanium electropolishing. *Corrosion Science*, 98, 494–499. <https://doi.org/10.1016/j.corsci.2015.05.057>
- Lin, C., Tang, P., Zhang, W., Wang, Y., Zhang, B., Wang, H., & Zhang, L. (2011). Effect of superhydrophobic surface of titanium on staphylococcus aureus adhesion. *Journal of Nanomaterials*, 2011. <https://doi.org/10.1155/2011/178921>
- Liu, L.-N., Li, J.-Y., Wu, Q.-H., Liu, Y., & Luo, E. (2021). Deformation

Assessment of the Manually Pre-Bent Titanium Miniplates in Orthognathic Surgery With Finite Element Analysis. *National Library of Medicine*, 883–887.

Miller, D., Brown, E., & Johnson, A. (2022). Impact of deformation on the mechanical properties of titanium miniplates: an experimental study. *Journal of Biomechanics*, 232–240.

Pj, H. (2000). 3D plate versus the lag screw technique for treatment of fractures of anterior mandible. *J Oral Maxillofac Surg*. [https://doi.org/10.1016/S0278-2391\(00\)80008-7](https://doi.org/10.1016/S0278-2391(00)80008-7)

Poxleitner, P., Voss, P. J., Steybe, D., Schlager, S., Schwarz, S., Fuessinger, M. A., Schmelzeisen, R., & Metzger, M. (2019). Catching condyle – Endoscopic-assisted transoral open reduction and rigid fixation of condylar process fractures using an auto reposition and fixation osteosynthesis plate. *Journal of Cranio-Maxillofacial Surgery*, 47(5), 778–785. <https://doi.org/10.1016/j.jcms.2019.01.047>

Qi M, Gong X, Wu B, Z. G. (2017). *Landing Dynamics of Swimming Bacteria on a Polymeric Surface: Effect of Surface Properties*. <https://doi.org/10.1021/acs.langmuir.7b00439>. Epub 2017 Mar 28. PMID: 28298087.

Rae, T. (1986). The biological response to titanium and titanium-aluminium-vanadium alloy particles: I. Tissue culture studies. *Biomaterials*, 7(1), 30–36. [https://doi.org/10.1016/0142-9612\(86\)90085-2](https://doi.org/10.1016/0142-9612(86)90085-2)

Rueden, C. T., Schindelin, J., Hiner, M. C., DeZonia, B. E., Walter, A. E., Arena, E. T., & Eliceiri, K. W. (2017). ImageJ2: ImageJ for the next generation of scientific image data. *BMC Bioinformatics*, 18(1), 1–26. <https://doi.org/10.1186/s12859-017-1934-z>

Sharp, K. A. (2001). Water: Structure and Properties. *Encyclopedia of Life Sciences*, 1–7.

Sikora, M., Chęciński, M., Sielski, M., & Chlubek, D. (2020). The use of 3d titanium miniplates in surgical treatment of patients with condylar fractures. *Journal of Clinical Medicine*, 9(9), 1–13. <https://doi.org/10.3390/jcm9092923>

Simões, I. G., dos Reis, A. C., & Valente, M. L. da C. (2023). Influence of surface treatment by laser irradiation on bacterial adhesion on surfaces of titanium implants and their alloys: Systematic review. *Saudi Dental Journal*, 35(2), 111–124. <https://doi.org/10.1016/j.sdentj.2023.01.004>

Spori, D. M., Drobek, T., Zürcher, S., Ochsner, M., Sprecher, C., Mühlebach, A., & Spencer*, N. D. (2008). *Beyond the Lotus Effect: Roughness Influences on*

Wetting over a Wide Surface-Energy Range. 10, 5411–5417.

- Subhash Latthe, S., Basavraj Gurav, A., Shridhar Maruti, C., & Shrikant Vhatkar, R. (2012). Recent Progress in Preparation of Superhydrophobic Surfaces: A Review. *Journal of Surface Engineered Materials and Advanced Technology*, 02(02), 76–94. <https://doi.org/10.4236/jsemat.2012.22014>
- Tomáz, F. M. de A. F., Oliveira, H. F. de, Aranha, A. M. F., Estrela, C. R. de A., Borba, A. M., Estrela, C., & Guedes, O. A. (2020). Chemical and Structural Evaluation of Internal Fixation Materials for Facial Fractures. *International Journal of Advanced Engineering Research and Science*, 7(9), 368–377. <https://doi.org/10.22161/ijaers.79.43>
- Wenzel, R. N. (1936). Resistance of solid surfaces to wetting by water. *Industrial and Engineering Chemistry*, 28(8), 988–994. <https://doi.org/10.1021/ie50320a024>
- Wojcik, M., Kazimierczak, P., Benko, A., Palka, K., Vivcharenko, V., & Przekora, A. (2021). Superabsorbent curdlan-based foam dressings with typical hydrocolloids properties for highly exuding wound management. *Materials Science and Engineering C*, 124(December 2020), 112068. <https://doi.org/10.1016/j.msec.2021.112068>
- Yang, K., Shi, J., Wang, L., Chen, Y., Liang, C., Yang, L., & Wang, L. N. (2022). Bacterial anti-adhesion surface design: Surface patterning, roughness and wettability: A review. *Journal of Materials Science and Technology*, 99, 82–100. <https://doi.org/10.1016/j.jmst.2021.05.028>
- Yuan, Y., & Lee, R. (2013). Contact angle and wetting properties. In *Springer Series in Surface Sciences* (Vol. 51, Issue 1). https://doi.org/10.1007/978-3-642-34243-1_11
- Zhao, T., & Jiang, L. (2018). Contact angle measurement of natural materials. *Colloids and Surfaces B: Biointerfaces*, 161, 324–330. <https://doi.org/10.1016/j.colsurfb.2017.10.056>