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**Bibliography**

* + - 1. ***Andre V. Ritter, Lee W Boushell, Ricardo Walter*-Sturdevant’s Art and Science of Operative Dentistry, 7th Ed., Elsevier, 2019**
      2. ***Mahmoud Torabinejad, Ashraf F. Fouad, Shahrokh Shabahang* - ENDODONTICS PRINCIPLES AND PRACTICE – 6th Ed., Elsevier, 2020**
      3. ***Okeson JP,* Management of temporomandibular disorders and occlusion, 8th Ed., Elsevier, 2019 (**<http://www.neoncursos.com.br/wpcontent/uploads/2019/08/Management_of_Temporomandibular_Disorders-and-Occlusion-Okeson-2020.pdf>)
      4. ***Schillinburg T.H*, Fundamental of Fixed Prosthodontics, 4th Ed., Quintessence Publishing Co, 2012**
      5. ***Alan B. Carr, David T. Brown*- McCRACKEN’S REMOVABLE PARTIAL PROSTHODONTICS, 12th Ed., Elsevier, 2011**
      6. ***Zarb AG, Hobkirk J, Eckert S, Jacob R*, Prosthetic treatment for edentulous patients-Complete dentures and implant-supported prostheses, 13th Ed., Elsevier /Mosby, 2013**
      7. ***Newman MG, Takei H, Klokkevold PR, Carranza FA,* Newman and Carranza's Clinical Periodontology, 13th Ed., Elsevier Health Sciences, 2018**
      8. ***Angus C. Cameron, Richard PW*, Handbook of Pediatric Dentistry, 5th Ed., Elsevier, 2021**
      9. ***UJ Moore*, Principles of Oral and Maxillofacial surgery, 6th Ed., Wiley-Blackwell Publication, 2011**
      10. ***WILLIAM R. PROFFIT,* Contemporary Orthodontics, 6th Ed., Elsevier,  2018**