

Mandibular Single Complete Denture Insertion: A Retrospective Study

Maajida Aafreen M

Saveetha Dental College And Hospitals,
Saveetha Institute Of Medical And Technical Sciences,
Saveetha University,
Chennai-77, India.
Email Id- 151601046@Saveetha.Com

Ashok V

Professor And Head
Department Of Prosthodontics,
Saveetha Dental College And Hospitals,
Saveetha Institute Of Medical And Technical Sciences,
Saveetha University,
Chennai-77, India.
Email Id- Ashok@Saveetha.Com

Deepa Gurunathan

Professor And Head
Department Of Pedodontics ,
Saveetha Dental College & Hospitals,
Saveetha Institute Of Medical And Technical Science,
Saveetha University,
Chennai-77, India.
E-Mail Id- Deepag@Saveetha.Com

Abstract:

Aim: The Aim Of The Study Is To Evaluate The Number Of Mandibular Single Complete Dentures Given , As A Retrospective Study Of 1 Year.

Materials And Methods: The Data Was Collected Between A Time Period Of June 2019 To March 2020 And Included A Sample Size Of 30 Participants. The Findings Were Tabulated In Excel Sheets. The Data Analysis Was Done Using Spss Software And The Output Was Obtained In The Form Of Pie Charts And Graphs.

Results: The Total Number Of Mandibular Single Complete Dentures Given Were Found To Be 75.9%. The Most Common Gender Showed Male Compared To Female And Based On The Patients Age, The Most Common Age Included 45 To 50 Years Of Age.

Conclusion: Within The Limits Of The Given Study, The Mandibular Single Complete Denture Given Was High And More Prevalent In Males With An Age Group Of 45 To 50 Years Of Age.

Keywords: Edentulism; Single Complete Denture; Prosthesis; Rehabilitation; Dentition

Introduction:

Edentulism Is A Debilitating And Irreversible Condition And Is Described As The Final Marker Of Disease Burden For Oral Health ¹. Though The Prevalence Of Complete Tooth Loss Has Declined Over The Last Decade, Edentulism Remains A Major Disease Worldwide, Especially Among Older Adults ². Edentulism Occurs Because Of Biologic Disease Processes, Such As Dental Caries, Periodontal Disease, Trauma And Oral Cancer. Dental Caries Caused By Bacteria Do Not Only Affect The Teeth But Also Affect The Dermis And Subcutaneous Layer Leading To Cellulitis And Other Diseases ³. Improper Dental Care Can Leave You At Risk Of Developing Gum Disease ⁴. Periodontitis Can Cause Mobility, Bleeding On Probing And Eventually If Not Treated Can Lead To Tooth Loss ⁵. Edentulism Is Defined As A Complete Loss Of All Dentition, Which Is A Worldwide Phenomenon. According To The World Health Organization Criteria, Edentulous Patients Are Considered Physically Impaired, Disabled And Handicapped Because Of Their Inability To Properly Masticate And Speak ⁶. The Rate Of Chewing And Mastication Depends From Person To Person And Can Also Be Related To The Type Of Food Being Taken ⁷. There Are Various Systemic Diseases Which Can Cause Early Loss Of Teeth ⁸. There Are Various Treatment Options Available For The Treatment Of Edentulism, Which Include Wearing Of Denture, Implant Placement Made Of Titanium Has Been Used Widely In Replacement Of Single And Multiple Teeth ^{9,10}. Wearing Dentures Have An Impact On The Oral As Well As Physical Health Of A Person. Most Patients Prefer Taking Meals With Less Fiber, Carotene, Vegetables, And Meals Which Ease The Process Of Mastication. However, This Is Closely Associated With Cancer And Heart Ailments ¹¹. Prosthetic Dentures Are Simple, Esthetically Good And Easy To Use¹². Improper Care Of Dentures Can Lead To Bacterial Infection, Which Can Cause Skin And Soft Tissue Infection, Which Can Be Treated With Various Medicaments And Natural Products Such As Aloe Vera Which Exhibits Best Medicinal Properties^{13,14}.

The Single Complete Denture Opposing All Or Some Of The Natural Dentition Is Not An Uncommon Occurrence¹⁵ Single Complete Denture Is A Challenging Situation Especially When The Opposing Natural Dentition Is Not In Proper Plane Of Occlusion ¹⁶. Single Complete Denture Construction Against A Non Modified Natural Dentition Is A Very Challenging Task For The Dentist Due To Certain Drawbacks Like Frequent Prosthesis Fracture, Dislodgment, Difficulty To Obtain Occlusal Balance And To Achieve A Satisfactory Esthetic ^{17,18}. Mal-Aligned, Tilted Or Supra-Erupted Teeth In The Opposing Arch Are Some Of The Problems That Should Be Corrected To Achieve A Balanced Occlusion In Patients Who Require Single Complete Denture ¹⁹. The Single Complete Denture Is A Complex Prosthesis That Requires A Complete Understanding Of The Basics Of Prosthetic Rehabilitation Of The Lost Natural Dentition²⁰. The Challenges Faced In This Study Include The Male Female Ratio, Limited Amount Of Studies Or Research Has Been Done Regarding Mandibular Single Complete Denture.

The Need For This Type Of Research Helps Us To Get More Insight And Data Regarding The Number Of Single Dentures Being Given . The Study Helps Us To Understand The Difficulties And Difference Causes Of Improper Balanced Occlusion In Single Complete Dentures. Previously Our Team Has A Rich Experience In Working On Various Research Projects Across Multiple Disciplines The ²¹⁻²³²⁴⁻³⁵. The Aim Of The Study Is To Find The Number Of Single Complete Dentures Delivered In Saveetha Dental College As A Retrospective Study Of 1 Year.

Materials And Methods:

The Study Was Conducted In A University Setting. The Main Advantage Of This Study Includes The Easy Access Of The Data. The Ethical Approval Was Obtained From The Institutional Review Board. The Number Of People Involved In The Study Included 2 Researchers And The Data Was Reviewed By 2 Reviewers. Out Of The Total 86000 Patients Reported In The Saveetha Dental Hospital From June 2019 To March 2020, The Data Was Collected, Analysed And Tabulated In Excel Sheets. Inclusion Criteria Were All Patients Who Have Undergone Single Complete Denture Insertion. Exclusion Criteria Were Patients With Systemic Illness, And Incomplete Databases In The Software. The Cross Verification Of The Data Was Done Using Photographs. Incomplete And Censored Data Was Excluded From The Study.

Data Analysis Was Done Using Spss Software By Ibm. The Statistical Analysis Used Was Chi Square Test In Descriptive Analysis . The Output Obtained From The Software Was Represented In The Form Of Pie Charts And Bar Graphs.

Results:

A Total Of 30 Cases Were Obtained And Tabulated In Excel Sheet. The Data Analysis Was Done Using Spss Software. The Total Number Of Single Complete Dentures Given Was 75.9% (Figure 1) . Based On The Distribution Of Gender, The Most Common Gender For Single Complete Dentures Showed Male Compared To Female (Figure 2). Based On The Age Of The Patient, The Most Common Age Group For Single Complete Denture Showed The Highest In 48 And 50 Years Of Age, Followed By 67 Years Of Age (Figure 3).

Discussion:

Increase In The Life Expectancy And Increase In Population, Creates High Demand In Dental Care Especially In The Field Of Prosthodontics³⁶. A Single Complete Denture Can Oppose Natural Teeth That Are In Sufficient Number Not To Necessitate A Fixed Or Removable Partial Denture. It Is A Denture Which Replaces The Missing Teeth In An Arch And Opposed A Natural Dentition^{37,38}. The Following Details Can Be Summarised From The Results Obtained Which Shows That The Total Number Of Single Complete Dentures Given Showed 75.9%. The Most Common Gender For Mandibular Single Complete Denture Showed Male And The Most Common Age For Mandibular Single Denture Were 45-50 Years Of Age.

One Of The Most Common Clinical Situations Involving A Single Denture Is That Of A Complete Lower Denture And Upper Natural Teeth. Based On The Study, The Number Of Complete Denture Dentures Given Were Found To Be 75.9%. According To A Study Conducted By Sharry Et Al. Reported That The Situation In Which A Patient Has Become Entirely Edentulous In One Jaw While Retaining Either All Or Some Of His/Her Natural Teeth In The Others Is Not Uncommon. Neither Is It Uncommon To Find A Successful Complete Denture For Such Patients. Single Complete Dentures Are Very Difficult And The Reasons Of Difficulty Could Be Due To The Firmness And Rigidity With Which The Natural Teeth Are Retained In The Bone And The Magnitude Of The Force They Resist Or Deliver Without Discomfort Or Displacement. Ridge Resorption Also Plays An Important Role, Various Factors Affect The Recession Including Tissue Thickness³⁹. The Second Reason Is Related Due To The Occlusal Form Of The Remaking Natural Teeth, Which Will Dictate The Occlusal Form Of The Denture. Selection And Proper Placement Of Teeth Can Also Affect The Denture⁴⁰. A Balanced Occlusion Should Be Obtained While Fabricating A Single Complete Denture. It Is Developed To Improve The Stability Of The Dentures During All Functional And Or Parafunctional Movements Of The Mandible⁴¹. Lack Of The Occlusal Balance May Cause A Variety Of Denture Related Problems Including Instability, Mucosal Inflammation, Soreness, Bone Resorption And Ultimately Leading To Patient Dissatisfaction⁴². Marginal Discrepancy Can Cause A Lot Of Effect On The Long Term Success^{43,44}.

The Study Also Showed That The Most Common Gender Included The Male And The More Common Age Group Was 45-50 Years. According To A Study Done By Xie Et Al. Edentulism Is More Commonly Found In Male Compared To Females⁴⁵. Suomien Taipale Et Al Concluded That In 1979 Edentulism Was More Commonly Found In Females, Compared To Male⁴⁶. The Reason For More Number Of Treatments Done For Male Compared To Females Could Be Attributed To The Fact That Females Are More Dependent On Male To Take Them For Treatment . Males Are Not Dependent Upon Anyone And They Can Easily Come For Treatment⁴⁷. According To A Study Conducted By Sonkesariya Et Al. Nearly, 22.4 And 55.8% Of The Rural And Urban Females Were Completing Edentulous In The Age Of Above 43 Years In Both Populations. 77.5 And 44.1% Of Rural And Urban Males Were Completing Edentulous In The Age Of Above 33 And 53 Years⁴⁸. Our Institution Is Passionate About High Quality Evidence Based Research And Has Excelled In Various Fields (⁴⁹⁻⁵⁹).

Reduced Sample Size And The Study Population Included A Particular Geographic Location, Which Were The Limitation Of The Study. The Future Scope Of The Study Included The Inclusion Of Other Geographic Populations, Increase In Sample Size Which Could Yield Better Results.

Conclusion:

Within The Limits Of The Study, The Mandibular Single Complete Dentures Given Were 75.9% And More Prevalent In Males With An Age Group Of 45-40 Years Of Age.

Acknowledgement:

The Authors Would Like To Acknowledge The Chancellor, Director Of Academics; The Principal, Associate Dean Research, The Vice Chancellor Of Saveetha University; Hod And Their Professors, Readers, Lecturers And Their Fellow Post Graduates, Department Of Prosthodontics And Department Of Pedodontics And Preventive Dentistry, Saveetha University; The Support From Their Parents And From Their Family.

Author's Contribution:

Maajida Aafreen Carried Out The Design Of The Work, Data Collection And Data Analysis With Interpretation. Ashok V Carried Out The Drafting Of The Article. Deepa G Carried Out The Critical Revision Of The Article. All The Authors Read And Approved The Final Manuscript.

Conflict Of Interest:

The Authors Would Like To Declare That There Was No Conflict Of Interest.

References:

1. Cunha-Cruz J, Hujoel Pp, Nadanovsky P. Secular Trends In Socio-Economic Disparities In Edentulism: Usa, 1972–2001. *Journal Of Dental Research* 2007; 86: 131–136.
2. Douglass Cw, Shih A, Ostry L. Will There Be A Need For Complete Dentures In The United States In 2020?

Mandibular Single Complete Denture Insertion: A Retrospective Study

The Journal Of Prosthetic Dentistry 2002; 87: 5–8.

3. Vijayalakshmi B, Ganapathy D. Medical Management Of Cellulitis. *Research Journal Of Pharmacy And Technology* 2016; 9: 2067.
4. Basha Fys, Ganapathy D, Venugopalan S. Oral Hygiene Status Among Pregnant Women. *Research Journal Of Pharmacy And Technology* 2018; 11: 3099.
5. Jyothi S, Robin Pk, Ganapathy D, Et Al. Periodontal Health Status Of Three Different Groups Wearing Temporary Partial Denture. *Research Journal Of Pharmacy And Technology* 2017; 10: 4339.
6. Lee Dj, Saponaro Pc. Management Of Edentulous Patients. *Dental Clinics Of North America* 2019; 63: 249–261.
7. Ajay R, Suma K, Ali S, Et Al. Effect Of Surface Modifications On The Retention Of Cement-Retained Implant Crowns Under Fatigue Loads: An In Vitro Study. *Journal Of Pharmacy And Bioallied Sciences* 2017; 9: 154.
8. Ashok V, Nallaswamy D, Benazir Begum S, Et Al. Lip Bumper Prosthesis For An Acromegaly Patient: A Clinical Report. *The Journal Of Indian Prosthodontic Society* 2014; 14: 279–282.
9. Ganapathy Dm, Kannan A, Venugopalan S. Effect Of Coated Surfaces Influencing Screw Loosening In Implants: A Systematic Review And Meta-Analysis. *World Journal Of Dentistry* 2017; 8: 496–502.
10. Duraisamy R, Krishnan Cs, Ramasubramanian H, Et Al. Compatibility Of Nonoriginal Abutments With Implants. *Implant Dentistry* 2019; 28: 289–295.
11. Quadri S, Singh G, Kapoor B, Et Al. Effect Of Nutrition In Edentulous Geriatric Patients. *Journal Of Oral Research And Review* 2018; 10: 33.
12. Venugopalan S, Ariga P, Aggarwal P, Et Al. Magnetically Retained Silicone Facial Prosthesis. *Nigerian Journal Of Clinical Practice* 2014; 17: 260.
13. Selvan Sr, Ganapathy D. Efficacy Of Fifth Generation Cephalosporins Against Methicillin-Resistant Staphylococcus Aureus-A Review. *Research Journal Of Pharmacy And Technology* 2016; 9: 1815.
14. Subasree S, Murthykumar K, Dhanraj. Effect Of Aloe Vera In Oral Health-A Review. *Research Journal Of Pharmacy And Technology* 2016; 9: 609.
15. Natu Vv, Student Mds, Dept. Of Prosthodontics, Et Al. Management Of Flabby Ridge During Fabrication Of Complete Denture, Challenge In Clinical Practice: A Case Report. *Indian Journal Of Dental Education* 2019; 12: 161–163.
16. Basker Rm, Harrison A, Ralph Jp. *Overdentures In General Dental Practice*. British Dental Association, 1988.
17. Zimmermann Em. Modifications Of Functionally Generated Path Procedures. *J Prosthet Dent* 1966; 16: 1119–1126.
18. Vijayashankar Yv. Single Complete Denture Boon Or Bane : A Case Report. *Annals And Essences Of Dentistry* 2012; 4: 77–79.
19. Foong Kw, Patil Pg. Fabrication Of Maxillary Single Complete Denture In A Patient With Deranged Mandibular Occlusal Plane: A Case Report. *The Saudi Dental Journal* 2019; 31: 148–154.
20. Sinnurkar Ss. Management Of Fractured Mandibular Single Complete Denture Opposing Maxillary Natural Dentition By The Implementation Of Functionally Generated Path Technique: A Case Report. 2015; 03: 999–

1008.

21. Hafeez N, Others. Accessory Foramen In The Middle Cranial Fossa. *Research Journal Of Pharmacy And Technology* 2016; 9: 1880.
22. Krishnan Rp, Ramani P, Sherlin Hj, Et Al. Surgical Specimen Handover From Operation Theater To Laboratory: A Survey. *Ann Maxillofac Surg* 2018; 8: 234–238.
23. Somasundaram S, Ravi K, Rajapandian K, Et Al. Fluoride Content Of Bottled Drinking Water In Chennai, Tamilnadu. *J Clin Diagn Res* 2015; 9: Zc32.
24. Felicita As, Sumathi Felicita A. Orthodontic Extrusion Of Ellis Class Viii Fracture Of Maxillary Lateral Incisor – The Sling Shot Method. *The Saudi Dental Journal* 2018; 30: 265–269.
25. Kumar S, Rahman R. Knowledge, Awareness, And Practices Regarding Biomedical Waste Management Among Undergraduate Dental Students. *Asian J Pharm Clin Res* 2017; 10: 341.
26. Gurunathan D, Shanmugaavel Ak. Dental Neglect Among Children In Chennai. *J Indian Soc Pedod Prev Dent* 2016; 34: 364.
27. Sneha S, Others. Knowledge And Awareness Regarding Antibiotic Prophylaxis For Infective Endocarditis Among Undergraduate Dental Students. *Asian Journal Of Pharmaceutical And Clinical Research* 2016; 154–159.
28. Dhinesh B, Isaac Joshuaramesh Lalvani J, Parthasarathy M, Et Al. An Assessment On Performance, Emission And Combustion Characteristics Of Single Cylinder Diesel Engine Powered By Cymbopogon Flexuosus Biofuel. *Energy Convers Manage* 2016; 117: 466–474.
29. Choudhari S, Thenmozhi Ms. Occurrence And Importance Of Posterior Condylar Foramen. *Laterality* 2016; 8: 11–43.
30. Paramasivam A, Vijayashree Priyadharsini J, Raghunandhakumar S. N6-Adenosine Methylation (M6a): A Promising New Molecular Target In Hypertension And Cardiovascular Diseases. *Hypertens Res* 2020; 43: 153–154.
31. Wu F, Zhu J, Li G, Et Al. Biologically Synthesized Green Gold Nanoparticles From Siberian Ginseng Induce Growth-Inhibitory Effect On Melanoma Cells (B16). *Artif Cells Nanomed Biotechnol* 2019; 47: 3297–3305.
32. Palati S, Ramani P, Shrelin H, Et Al. Knowledge, Attitude And Practice Survey On The Perspective Of Oral Lesions And Dental Health In Geriatric Patients Residing In Old Age Homes. *Indian Journal Of Dental Research* 2020; 31: 22.
33. Saravanan M, Arokiyaraj S, Lakshmi T, Et Al. Synthesis Of Silver Nanoparticles From Phenerochaete Chrysosporium (Mtcc-787) And Their Antibacterial Activity Against Human Pathogenic Bacteria. *Microb Pathog* 2018; 117: 68–72.
34. Govindaraju L, Gurunathan D. Effectiveness Of Chewable Tooth Brush In Children-A Prospective Clinical Study. *J Clin Diagn Res* 2017; 11: Zc31.
35. Vijayakumar Jain S, Muthusekhar Mr, Baig Mf, Et Al. Evaluation Of Three-Dimensional Changes In Pharyngeal Airway Following Isolated Lefort One Osteotomy For The Correction Of Vertical Maxillary Excess: A Prospective Study. *J Maxillofac Oral Surg* 2019; 18: 139–146.
36. Ashok V, Suvitha S. Awareness Of All Ceramic Restoration In Rural Population. *Research Journal Of Pharmacy And Technology* 2016; 9: 1691.

37. Kelly E. Changes Caused By A Mandibular Removable Partial Denture Opposing A Maxillary Complete Denture. *J Prosthet Dent* 2003; 90: 213–219.
38. Sharry Jj. *Complete Denture Prosthodontics*. Mcgraw-Hill, 1974.
39. Kannan A, Venugopalan S. A Systematic Review On The Effect Of Use Of Impregnated Retraction Cords On Gingiva. *Research Journal Of Pharmacy And Technology* 2018; 11: 2121.
40. Ariga P, Nallaswamy D, Jain Ar, Et Al. Determination Of Correlation Of Width Of Maxillary Anterior Teeth Using Extraoral And Intraoral Factors In Indian Population: A Systematic Review. *World Journal Of Dentistry* 2018; 9: 68–75.
41. Greco Gd, Jansen Wc, Junior JI, Et Al. Stress Analysis On The Free-End Distal Extension Of An Implant-Supported Mandibular Complete Denture. *Brazilian Oral Research* 2009; 23: 175–181.
42. Patil Pg, Parkhedkar Rd. Functionally Generated Amalgam Stops For Single Complete Denture: A Case Report. *Dent Res J* 2009; 6: 51–54.
43. Ganapathy D. Effect Of Resin Bonded Luting Agents Influencing Marginal Discrepancy In All Ceramic Complete Veneer Crowns. *Journal Of Clinical And Diagnostic Research*. Epub Ahead Of Print 2016. Doi: 10.7860/Jcdr/2016/21447.9028.
44. Jain A, Ranganathan H, Ganapathy D. Cervical And Incisal Marginal Discrepancy In Ceramic Laminate Veneering Materials: A Sem Analysis. *Contemporary Clinical Dentistry* 2017; 8: 272.
45. Xie Q, Ainamo A. Association Of Edentulousness With Systemic Factors In Elderly People Living At Home. *Community Dentistry And Oral Epidemiology* 1999; 27: 202–209.
46. Suominen-Taipale A-L, Alanen P, Helenius H, Et Al. Edentulism Among Finnish Adults Of Working Age, 1978?1997. *Community Dentistry And Oral Epidemiology* 1998; 27: 353–365.
47. Manimaran P, Dhinesh Kumar C, Saisadan D, Et Al. Partial Edentulousness In A Rural Population Based On Kennedy's Classification: Epidemiological Study. *J Pharm Bioallied Sci* 2017; 9: S34–S36.
48. Sonkesariya S, Jain D, Shakya P, Et Al. Prevalence Of Dentulism, Partial Edentulism And Complete Edentulism In Rural And Urban Population Of Malwa Region Of India: A Population-Based Study. 2014; 4: 112–119.
49. Vijayashree Priyadharsini J. In Silico Validation Of The Non-Antibiotic Drugs Acetaminophen And Ibuprofen As Antibacterial Agents Against Red Complex Pathogens. *J Periodontol* 2019; 90: 1441–1448.
50. Pc J, Marimuthu T, Devadoss P. Prevalence And Measurement Of Anterior Loop Of The Mandibular Canal Using Cbct: A Cross Sectional Study. *Clin Implant Dent Relat Res*, <https://Europepmc.Org/Article/Med/29624863> (2018).
51. Ramesh A, Varghese S, Jayakumar Nd, Et Al. Comparative Estimation Of Sulfiredoxin Levels Between Chronic Periodontitis And Healthy Patients - A Case-Control Study. *J Periodontol* 2018; 89: 1241–1248.
52. Ramadurai N, Gurunathan D, Samuel Av, Et Al. Effectiveness Of 2% Articaine As An Anesthetic Agent In Children: Randomized Controlled Trial. *Clin Oral Investig* 2019; 23: 3543–3550.
53. Sridharan G, Ramani P, Patankar S, Et Al. Evaluation Of Salivary Metabolomics In Oral Leukoplakia And Oral Squamous Cell Carcinoma. *J Oral Pathol Med* 2019; 48: 299–306.
54. Ezhilarasan D, Apoorva Vs, Ashok Vardhan N. Syzygium Cumini Extract Induced Reactive Oxygen Species-Mediated Apoptosis In Human Oral Squamous Carcinoma Cells. *J Oral Pathol Med* 2019; 48: 115–121.

55. Mathew Mg, Samuel Sr, Soni Aj, Et Al. Evaluation Of Adhesion Of Streptococcus Mutans, Plaque Accumulation On Zirconia And Stainless Steel Crowns, And Surrounding Gingival Inflammation In Primary Molars: Randomized Controlled Trial. *Clin Oral Investig* 2020; 1–6.
56. Samuel Sr. Can 5-Year-Olds Sensibly Self-Report The Impact Of Developmental Enamel Defects On Their Quality Of Life? *Int J Paediatr Dent* 2021; 31: 285–286.
57. R H, Hannah R, Ramani P, Et Al. Cyp2 C9 Polymorphism Among Patients With Oral Squamous Cell Carcinoma And Its Role In Altering The Metabolism Of Benzo[A]Pyrene. *Oral Surgery, Oral Medicine, Oral Pathology And Oral Radiology* 2020; 130: 306–312.
58. Chandrasekar R, Chandrasekhar S, Sundari Kks, Et Al. Development And Validation Of A Formula For Objective Assessment Of Cervical Vertebral Bone Age. *Prog Orthod* 2020; 21: 38.
59. Vijayashree Priyadharsini J, Smiline Girija As, Paramasivam A. In Silico Analysis Of Virulence Genes In An Emerging Dental Pathogen A. Baumannii And Related Species. *Arch Oral Biol* 2018; 94: 93–98.

Figure Legends:

Figure 1: The Pie Chart Depicts The Percentage Distribution Of Single Complete Dentures Inserted.

Figure 2: Bar Graph Shows The Comparison Between The Type Of Denture Treatment Opted Based On The Gender Of The Patient.

Figure 3: Bar Graph Shows The Comparison Of The Number Of Single Complete Dentures Given Based On The Patient's Age .

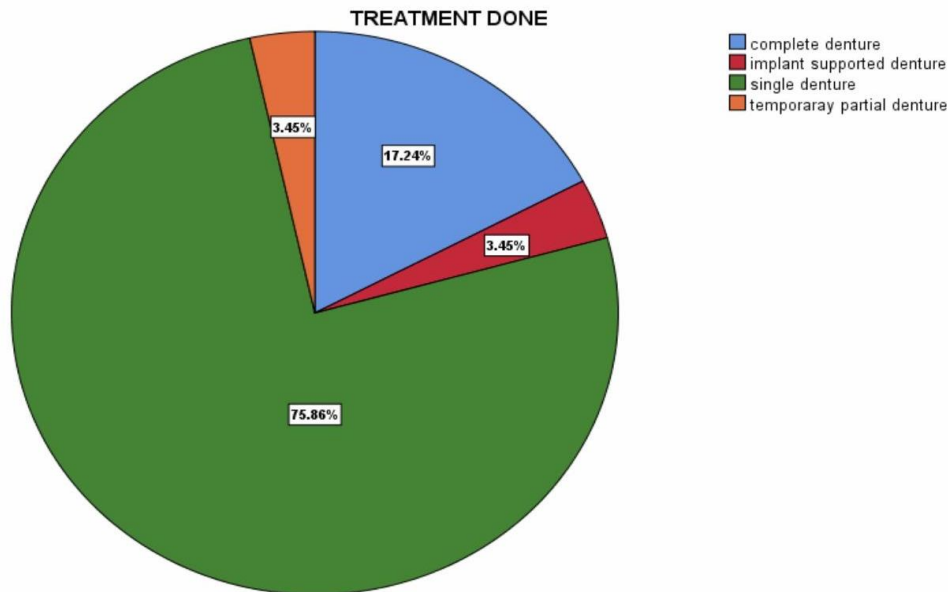


Figure 1: The Pie Chart Depicts The Percentage Distribution Of Single Complete Dentures Inserted. Green Colour Represents Single Complete Denture(75.86%), Blue Colour Represents Complete Denture(17.24%), Orange Colour Represents Temporary Partial Denture(3.45%) And Red Colour Supports Implant(3.45%). Based On The Graph Single Complete Denture Treatment Was Done More Compared To Complete Denture, Temporary Partial Denture And Implant.

Mandibular Single Complete Denture Insertion: A Retrospective Study

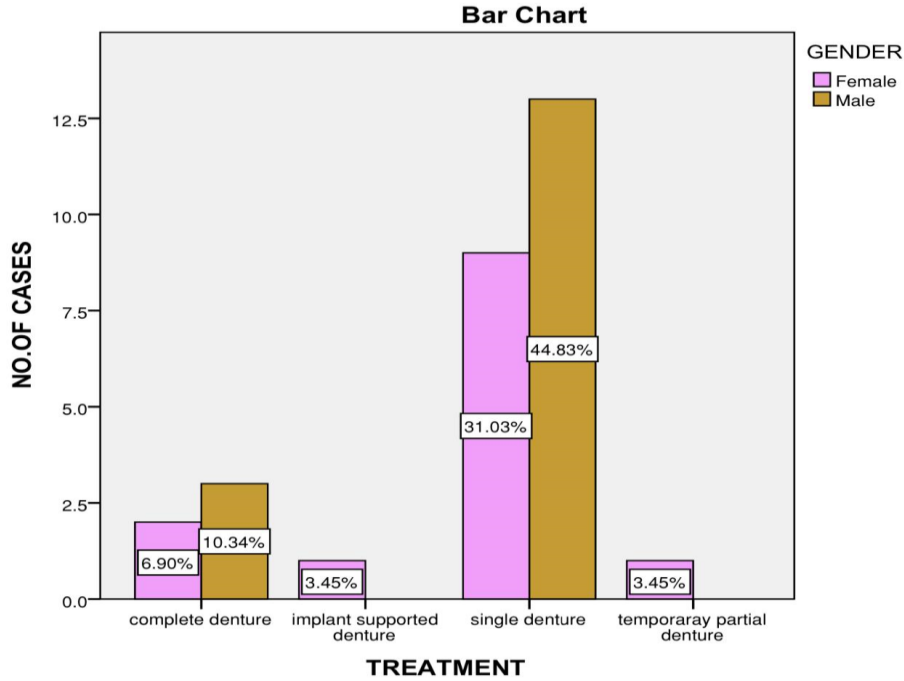


Figure 2: Bar Graph Shows The Comparison Between The Type Of Denture Treatment Opted Based On The Gender Of The Patient. The X Axis Represents The Treatment Done And Y Axis Represents The No Of Cases Based On Gender. The Pink Colour Represents Female And Brown Colour Represents Male. Based On The Graph, Single Complete Denture Treatment Was Most Commonly Done In Male Patients Compared To Female. Pearson's Chi Square Value: 2.645, Df: 3, P Value : 0.450(>0.005), Insignificant Association(Chi Square Test).

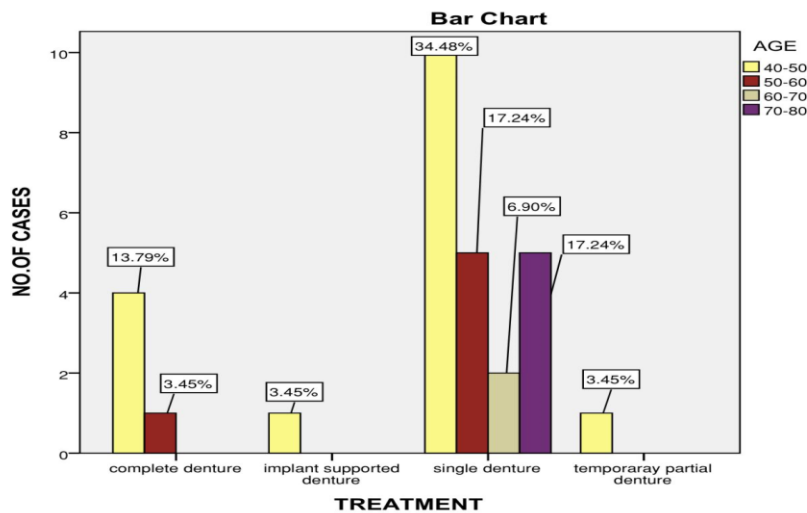


Figure 3: Bar Graph Shows The Comparison Of The Number Of Single Complete Dentures Given Based On The Patient's Age . The X Axis Represents The Treatment Done And Y Axis Represents The No Of Cases Based On The Patient's Age. Yellow Colour Represents 40-50 Years Of Age, Maroon Colour Represents 50-60 Years Of Age, Grey Represents 60-70 Years Of Age, Purple Represents 70-80 Years Of Age. Based On The Graph Single Complete Denture Was Done Most Commonly In 40-50 Years Of Age. Pearson's Chi Square Value: 31.355, Df: 42, P Value: 0.885(>0.005), Insignificant Association (Chi Square Test)