

OKU Sutro Excellence Day Project Cover Sheet
(ONE Cover Sheet per project)

Project Title:

Award Category:

List names of all contributors to this project:

1. Student Name: #989
Program: Class Year
2. Student Name: #989
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3. Student Name: #989
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4. Student Name: #989
Program: Class Year
5. Student Name: #989
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6. Student Name: #989
Program: Class Year
7. Student Name: #989
Program: Class Year

8. Enter your abstract text here (300 word max) :

65-year-old male cardiac patient, who had been bedridden for a year, presents with maxillary and mandibular complete dentures which no longer fit him due to severe weight loss and ridge atrophy. The patient was referred to us by his hospital physician who noted that the patient was wasting due to an inability to properly consume solid foods. The patient had only been receiving IV nutrition up through this point. Both his doctor and partner noted this was also beginning to negatively impact his mental state as the patient began to show signs of depression.

We modified the patient's existing, non-retentive dentures to take a preliminary impression of his current arch and obtain a comfortable vertical dimension of occlusion. The dentures were reverse poured to obtain a stone model of the patient's current arches. Using the dentures, the case was mounted on an articulator, giving us his current jaw relationship. Laurel dentures (size 2) was selected and trimmed to achieve adequate fit on the patient's stone models. Laurel dentures were then used to muscle mold and final impress the patient's maxillary and mandibular arches; new bite registration was taken. Case was sent to the lab to process the PVS impressions to acrylic form. Dentures were delivered and both arches had adequate retention and suction. Patient was able to utilize dentures to eat solid foods once again. At last check-in with patient's partner, the patient had gained at least 18 lbs within 1.5 months and had become far more confident and began smiling once again.

This project involved treatment of a patient who was bedridden at California Pacific Medical Center. This combined with his deteriorating health, made frequent visits difficult as the patient needed to be feeling well enough to tolerate dental treatment and this necessitated our team to be able to travel to CPMC to deliver bedside care. To maximize our visits and minimize the number of appointments, we critically utilized and combined concepts from Lauren dentures, immediate dentures, and conventional dentures to reestablish our patient's ability to eat as he did prior to his stay at CPMC.

Oral Rehabilitation of a Cardiac In-Patient Through Bedside Fabrication of Complete Dentures; Improving Conditions of Wasting and Depression In Three Appointments

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Background

Patients are placed in acute care facilities for a multitude of reasons. Unfortunately, dental health is rarely monitored until oral complications lead to more serious systemic health issues. At this stage, emergent treatment may be needed, but may not be available. This is often due to either a lack of qualified oral healthcare professionals, in a hospital setting, or the patient's medically complex state that complicates traditional chairside dentistry.

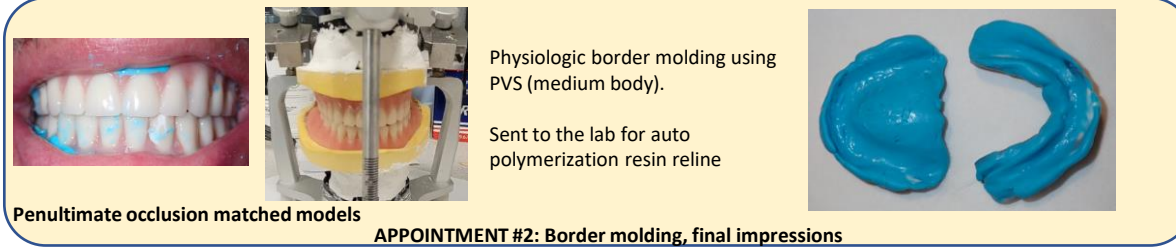
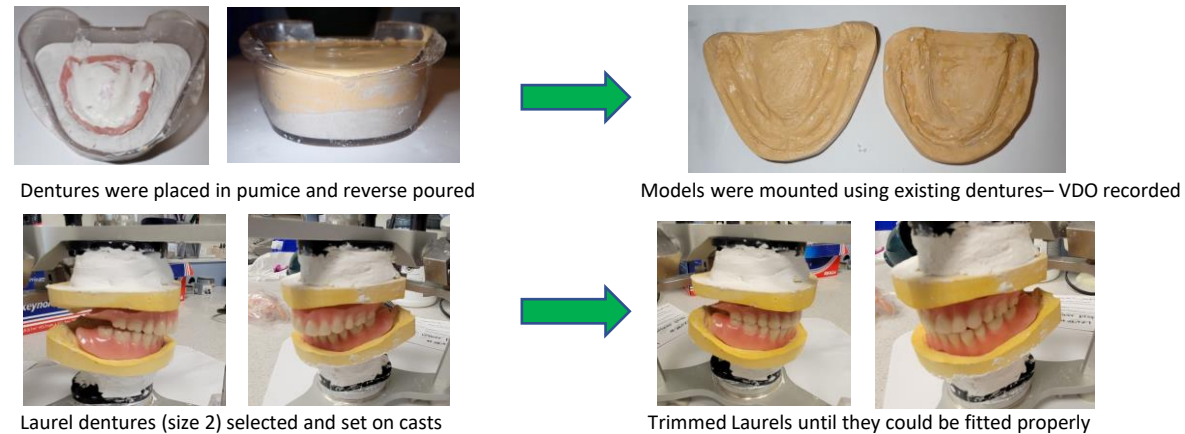
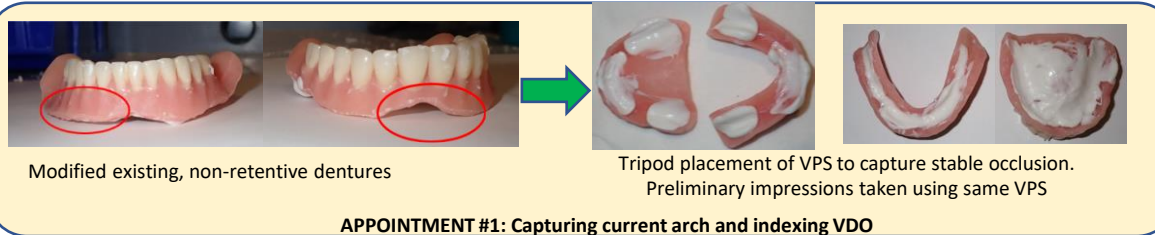
Case Description

65-year-old male cardiac patient, who had been bedridden for a year, presents with maxillary and mandibular complete dentures which no longer fit him due to severe weight loss and ridge atrophy. The patient was referred to us by his hospital physician who noted that the patient was wasting due to an inability to properly consume solid foods. The patient had only been receiving IV nutrition up through this point. Both his doctor and partner noted this was also beginning to negatively impact his mental state as the patient began to show signs of depression.

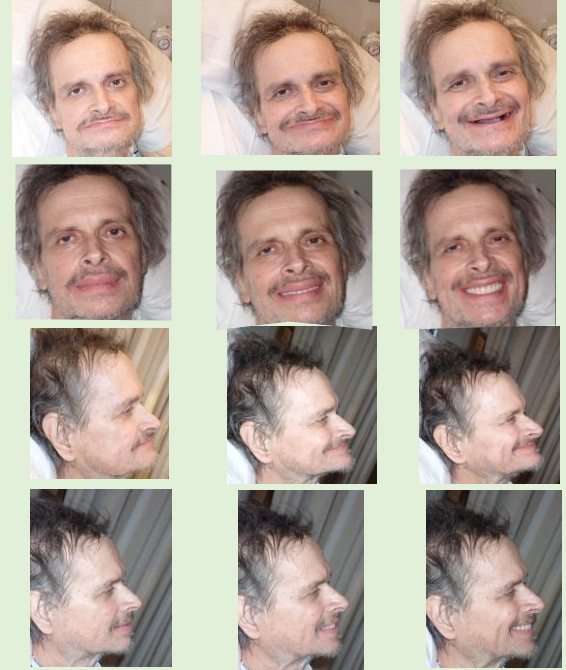
Objective

To treat the patient's medical diagnosis of wasting and improve his mental state by fabricating functional maxillary and mandibular complete dentures while minimizing the number of bedside appointments needed.

Timeline and Fabrication of Dentures



Outcome



Significance

This project involved treatment of a patient who was bedridden at California Public Medical Center. Combined with his deteriorating health, frequent visits were taxing for the patient. To maximize our bedside time, we combined concepts from Lauren dentures, immediate dentures, and conventional dentures to reestablish our patient's ability to eat as he did prior to his stay at CPMC. We hope our methods can be applied to other patients in need as well.

Acknowledgments

Thank you to Dr. Allen Wong for his time, knowledge, and guidance throughout the entire fabrication and treatment process. I would also like to extend my gratitude to my patient and his partner who showed great patience and resilience throughout his treatment, both dentally & medically.