

Denture (Injected) IFU

Overview of Dandy Denture Offerings

Dandy's final dentures (partials and full) are designed/fabricated using digital technology (some partials are fabricated by hand), allowing for a precise fit and customization to the patient's specific needs. They are made of highly durable and biocompatible materials, ensuring long-term comfort and function.

Indications for Use

Dandy's Dentures are removable prostheses intended for the replacement of missing natural teeth and associated oral structures. They are indicated for fully edentulous and partially edentulous patients requiring prosthetic restoration.

Contraindication

Do not use in patients with:

- Uncontrolled periodontal disease
- Severe residual ridge resorption
- Untreated oral lesions
- Known hypersensitivity to acrylic or PMMA-based materials

Potential Risks and Benefits of Dentures

Advise patients of the following:

The use of final dentures may have potential risks:

Risks (all types):

- Gingival irritation, mucosal soreness, ulceration
- Poor adaptation may cause instability or trauma
- Allergic response to base or teeth materials

However, the benefits are overwhelming.

Benefits:

- Restores oral function, speech, mastication, and esthetics
- Digitally fabricated for precision fit and reduced chair time
- Material-specific advantages:
 - HIPA: High-impact resistance, lifelike esthetics
 - 199 Resin: Lightweight, digitally accurate
 - PMMA: Seamless monolithic finish

Directions for Use

To ensure proper use of final dentures, dental professionals and patients should follow these steps:

Insertion Protocol:

1. Clean oral tissues with a soft-bristle brush or rinse
2. Hold the denture by the edges; insert using a gentle rocking motion
 - a. If it is a partial denture, gently place it in the mouth and use your fingers to guide it into position. Avoid using excessive force or pushing the partial denture too far.
3. Instruct the patient to bite and swallow to seat
 - a. If it is a partial denture, instruct the patient to gently bite down on the partial denture to ensure proper fit and stability.
4. Use adhesive if retention is insufficient
5. Use carbon articulation paper to adjust any heavy occlusion points.

Adjustment Guidelines:

- Use high-speed rotary instruments with light pressure
- Maintain temperature with water and air spray
- Avoid dry adjustments to prevent micro-fractures
- Recommended burs:
 - #13 Green Mounted Stone for chair-side adjustments.
 - Rubber wheel for smoothing over the polishable surface after adjustment

Cleaning and Care **

DAILY CLEANING

Dandy recommends cleaning your dentures daily before and after every use. Immediately after removal, use warm water (not to exceed 45°C/113°F) and dishwashing soap to remove remaining saliva and debris from the device.

- Only use soft, antibacterial dish soap (liquid)
- Do not use flavored or scented soaps
- Do not use soaps with heavy dyes and colors

USING CLEANING AGENTS

For periodic debris removal and maintenance, use a soft-bristle brush to clean the inside of your appliance. The denture should be cleaned with antibacterial denture cleaning solutions like Polident and Efferdent. These cleaners are designed for use in brief sessions of 10–15 minutes. Always make sure to follow the manufacturer's instructions for proper use.

Do not use:

Avoid immersing the denture in, or cleaning it with, any of the following substances: sodium hypochlorite (chlorine bleach), hydrogen peroxide, mouthwash, or alcohol products. Using these can lead to discoloration and damage to the material.

****Guideline for Disinfection and Sterilization in Healthcare Facilities, 2008 Update: June 2024**

Storage instructions

- When not in use, store final dentures in a clean, dry place. Avoid exposing the dentures to excessive heat or pressure, which may cause warping or other damage.
- Final dentures are designed to last for several years with proper care and maintenance. Patients should contact their treating dentist/practice for evaluation and repair if dentures become damaged or lose their fit.

Additional Information

- Clinical studies have shown final dentures to be an effective and reliable treatment option for patients with missing teeth.
- If the patient experiences any adverse events, such as pain or irritation, they should discontinue use and contact your practice immediately.
- Final dentures have a limited warranty, which may vary depending on the manufacturer.
- Smoking with the dentures inserted can cause discoloration

Flexible: TCS / Valplast



Flexible partial dentures offer a comfortable fit and natural-looking aesthetics while being highly flexible and resistant to breakage.

- Material: Thermoplastic Nylon Resin
- Clasp options: Flexible
- Tissue shade options: [tissue shades available](#)

Advantages of Valplast flexible partial dentures

- They are thinner, lightweight, and more comfortable to wear
- They are perfect for patients who are allergic to metal
- They offer great comfort to the wearer
- They have a natural color, fitting into the patient's desired aesthetic.
- They are non-allergenic, monomer and formaldehyde-free
- They are less likely to stain many other materials
- They are a good fit for people with limited mouth opening

Disadvantages of Valplast flexible partial dentures

- They cannot be heated and remolded to adjust.
- When broken, it cannot be easily fixed.
- They take longer to create in the lab. The material may be more difficult to finish, fit, adjust, and color.
- The possibility of color degradation with time.
- Due to the material they are made from, there may be difficulty in relining when they no longer fit.
- They require strict dental hygiene.
- They may feel bulkier than other partial dentures.

Flexible: Duraflex



Duraflex partials provide exceptional durability and flexibility, ensuring a comfortable fit and allowing for easy adjustment. At the same time, their stain-resistant and non-allergenic properties offer long-term satisfaction and peace of mind for patients.

- Material: Ethylene Propylene
- Clasp options: Flexible
- Tissue shade options: [tissue shades available](#)

Pros of Duraflex flexible partial dentures

- It is BPA-free, non-allergenic, and widely recognized as the most biocompatible material.
- They are lightweight, stain-resistant, odor-resistant, and color-stable
- They are flexible and easy to wear
- They are natural-looking due to their craft from an impression of the patient's teeth.
- They are durable—practically unbreakable—and can be easily adjusted by a dentist.
- They are non-allergenic

Cons of Duraflex flexible partial dentures

- Has susceptibility to wear and tear over time
- It is susceptible to bacterial buildup, so it needs to be cleaned often
- It may feel too tight and uncomfortable until the patient gets used to wearing the denture.
- Not simple to repair, so if damaged, it may need a new set

Material Safety Data Sheet (MSDS)

Linked are the Material Safety Data Sheets for our Denture Materials. Links

[Full Dentures Material Safety Data Sheets](#) □

[Partial Dentures Material Safety Data Sheets](#)



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