Research in Prosthodontics

Current Trends

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IADR
Prosthodontics

- Better
- Stronger
- Tougher
Prosthodontics

- Better
  - Historical mechanistic approach
  - Contemporary approach concerned much more with patient outcomes
    - Quality of life
    - Functional capacity
      - Particularly emphasising nutrition and chewing ability
      - Intervention studies in edentate people and patients with implants
Prosthodontics

Better

- Historical mechanistic approach
- Contemporary approach concerned much more with patient outcomes
  - Quality of life
  - Functional capacity
  - Comfort
Prosthodontics

- Stronger
  - Does strength give durability?
  - Tooth tissue
How much is left?
Bicuspid
7mm dia x 6mm tall

231mm$^3$

1mm axial reduction
1.5mm occlusal reduction
Prep. 5mm diameter x 4.5mm tall

89mm$^3$
Prosthodontics

- Stronger
  - Does strength give durability?
  - Tooth tissue

Bonding
Prosthodontics

- Tougher
  - Interfaces between materials and tissues, particularly implanted structures
  - Symposium 316-A 11th March
    Nanotechnology for Bone-Titanium Integration
  - Keynote 321-B, 12th March
    Dental Implant Prognostic Factors