Miniscrew Assisted Slow Expansion of Mature Sutures
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- **Background**
  - History of maxillary expansion
  - Expansion and its effects
  - Sutural changes with age
  - Expansion in adults
  - Proposed impediments to adult expansion
    - Sutural Complexity (interdigitation)
    - Sutural fusion
    - Decreased/altered cellularity and adaptability
    - Circummaxillary Sutures

- **Experimental design**
  - Timeline
  - Surgical procedure
  - Measurements
    - Mini screw implants
    - Bone markers
    - MicroCT
    - Fluorescent bone labeling
    - H&E and TRAP staining

- **Results**
  - Changes over time
  - 2D/3D analysis

- **Discussion**

- **Conclusions**
  - Sutural separation is possible in mature rabbits
  - Separation is limited, indicating involvement of other sutural articulations