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**Title:** Tissue reaction to known forces on implants

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**Summary:**

Implants were inserted in macaca fascicularis monkeys following extraction of upper and the lower premolars and molars . The implants were loaded with known torsional and tipping forces. Following 6 months of loading, the monkeys were sacrificed and the tissue reaction histomorphometrically evaluated. The bone reaction is for the time being related to the strain values generated during loading.