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Dentistry — Torsion test of implant body/connecting part joints of endosseous dental implant systems

*Médecine bucco-dentaire — Essai de torsion sur l'interface corps
d'implant/élément de connexion des systèmes d'implants dentaires
endo-osseux*



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Introduction

Most dental implant systems currently on the market employ a dental implant body that is inserted within the jaw bone, to which other components can be joined when constructing a prosthetic superstructure. The connection between these components and the implant body should be sufficiently rigid to resist masticatory loads, which have a significant torsional component. Implant systems therefore often incorporate features to restrict rotation at the connection. If this is insufficiently strong, then distortion/fracture of the linked components will occur. A standardised torsion test for the joint between the implant body and connecting part facilitates comparative evaluation.