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Dentistry — Implants — Clinical performance of hand torque instruments

*Médecine bucco-dentaire — Implants — Performances cliniques des
instruments de serrage*



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Foreword

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ISO 11953 was prepared by Technical Committee ISO/TC 106, *Dentistry*, Subcommittee SC 8, *Dental implants*.

Introduction

Screw-retained joints are used widely in dental implant systems and for their integrity depend on the creation and maintenance of an appropriate clamping force. Failure of such joints is a documented clinical problem that can have significant impact on the outcome of treatment. Manually operated, suitably calibrated torque wrenches or devices are widely employed in dental implant treatment to tighten screwed joints and should be capable of providing the desired torque in a consistent manner. There is, however, some evidence that this might not always be the case. This International Standard has, therefore, been developed to facilitate the availability of devices that meet the necessary clinical requirements and help ensure a successful clinical outcome.