

Hand instruments are better accepted than rotary instrumentation for restoring tooth cavities in people with disabilities.

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The ART approach is more suitable than conventional restorative treatment in people with disabilities

Ethische beoordeling	Positief advies
Status	Werving gestopt
Type aandoening	-
Onderzoekstype	Interventie onderzoek

Samenvatting

ID

NL-OMON20941

Bron

NTR

Aandoening

dental caries; people with disabilities; Atraumatic Restorative Treatment; general anaesthesia

Ondersteuning

Primaire sponsor: Secretaría de Ciencia y Tecnología, Universidad Nacional de Córdoba, Argentina and the Department of Global Oral Health, Radboud University, Nijmegen, The Netherlands

Overige ondersteuning: Secretaría de Ciencia y Tecnología, Universidad Nacional de Córdoba, Argentina and the Department of Global Oral Health, Radboud University, Nijmegen, The Netherlands

Onderzoeksproduct en/of interventie

Uitkomstmatten

Primaire uitkomstmatten

Toelichting onderzoek

Achtergrond van het onderzoek

Many environmental barriers exist to the access of oral health care in the population with disability, but once these barriers have been overcome, and the patient has been able to find a dentist willing and able to treat them, challenges remain. The provision of high quality restorative treatment is related to the patient's ability to cope with the anxiety engendered by treatment and to cooperate fully with the demands of the clinical situation. Between a quarter and a third of adults with intellectual disability are estimated to have dental anxiety. Unpleasant stimuli, such as the injection of local anaesthesia, or the noise and vibration of rotary instruments, may provoke disproportionate anxiety and subsequent opposition to treatment. In addition, poor muscle coordination, fatigability or oral dysfunction, such as drooling and tongue movement, may compromise restorative procedures. Sedation or general anaesthesia may improve clinical conditions for restorative work but these techniques have their own problems in terms of cost and patient morbidity.

A less anxiety-provoking restorative treatment is Atraumatic Restorative Treatment (ART). This approach is endorsed by the World Health Organisation and involves hand instrumentation and placement of high-viscosity glass-ionomer cement restorations. ART has been shown to be equally effective as conventional restoration in both primary and permanent teeth. It has been suggested that ART might help to reduce barriers to treatment for patients with disabilities but no trial comparing ART with conventional treatment in this population has yet been reported.

The present study aimed to compare ART with conventional restorative treatment in terms of respondent acceptance, satisfaction, feasibility of the approach and survival of the restorations over a three year period.

Doel van het onderzoek

The ART approach is more suitable than conventional restorative treatment in people with disabilities

Onderzoeksopzet

0.5, 1,2,3 years

Onderzoeksproduct en/of interventie

Atraumatic Restorative Treatment (ART) in the clinic; conventional restorative treatment (CRT) in the clinic and under general anaesthesia (GA)

Contactpersonen

Publiek

College of Dental Sciences
 P.O. Box 9101
J.E. Frencken
Nijmegen 6500 HB
The Netherlands
+31 (0)24 3614050

Wetenschappelijk

College of Dental Sciences
 P.O. Box 9101
J.E. Frencken
Nijmegen 6500 HB
The Netherlands
+31 (0)24 3614050

Deelname eisen

Belangrijkste voorwaarden om deel te mogen nemen (Inclusiecriteria)

Patients with a recognised disability and at least one dentinal carious lesion in a primary or permanent tooth without pulpal involvement, spontaneous pain or tooth mobility, but in occlusion with the antagonist tooth or teeth and in contact with the neighbouring tooth or teeth.

Belangrijkste redenen om niet deel te kunnen nemen (Exclusiecriteria)

Onderzoeksopzet

Opzet

Type:	Interventie onderzoek
Onderzoeksmodel:	Parallel
Toewijzing:	Niet-gerandomiseerd
Blinding:	Open / niet geblindeerd
Controle:	Geneesmiddel

Deelname

Nederland	
Status:	Werving gestopt
(Verwachte) startdatum:	01-07-2012
Aantal proefpersonen:	70
Type:	Werkelijke startdatum

Ethische beoordeling

Positief advies	
Datum:	15-01-2014
Soort:	Eerste indiening

Registraties

Opgevolgd door onderstaande (mogelijk meer actuele) registratie

Geen registraties gevonden.

Andere (mogelijk minder actuele) registraties in dit register

Geen registraties gevonden.

In overige registers

Register	ID
NTR-new	NL4264

Register

NTR-old
Ander register

ID

NTR4400
: R0000703

Resultaten

Samenvatting resultaten

n/a