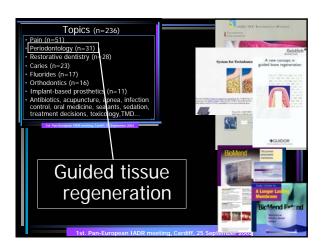
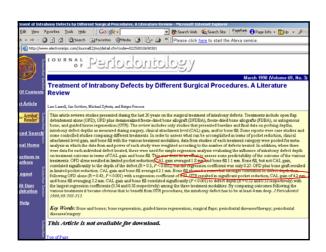
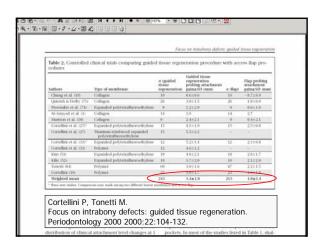


Topics (n=236) Pain & pharmacotherapy (n=51) Periodontology (n=31) Restorative dentistry (n=28) Caries (n=23) Fluoride issues (n=17) Orthodontics (n=16) Implant-related (n=11) Antibiotics, acupuncture, apnea, infection control, oral medicine, sealants, sedation, treatment decisions, toxicology, TMD...





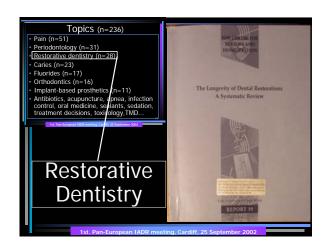


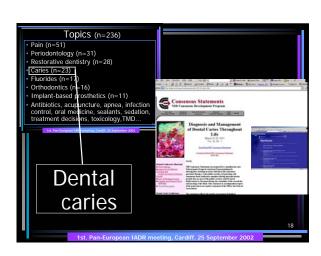


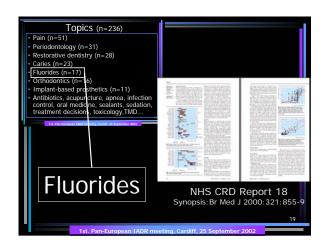


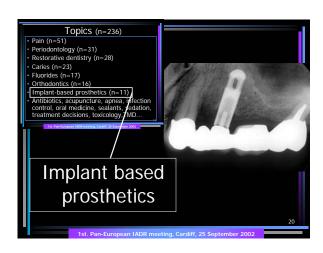
GTR attachment gain compared to open flap debridement	
Laurell et al. <i>J Periodontol</i> 1998: 2.7 mr Uncontrolled and unblinded studies	m
Cortellini et al. <i>Periodontology 2000</i> 2000: <u>1.6 mr</u> Unclear selection criteria for studies Inclusion of studies of short duration	<u>n</u>
Needleman et al. <i>Cochrane Review</i> 2001: 1.1 mr Randomised, controlled trials Trials only comparing GTR vs flap debridrement Trials > 12 months Furcation involvements excluded Studies specifically treating early onset diseases exclude	<u>n</u>
1st. Pan-European IADR meeting, Cardiff, 25 September 2002	15

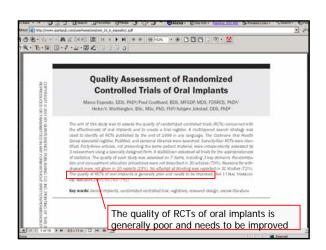








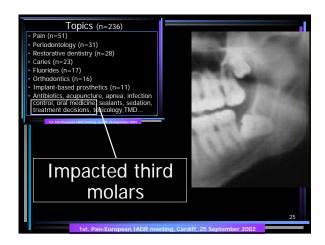


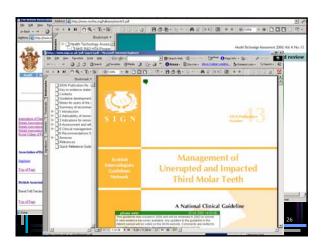


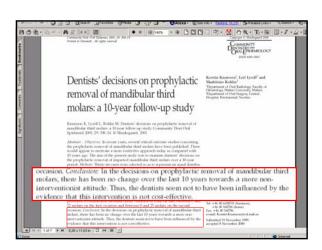
The most relevant outcome criteria? Plaque, marginal bleeding, probing pocket depth, probing attachment level, radiographic marginal bone level, bone changes on standardised intra-oral radiographs.... Implant mobility and implant removal of stable implants dictated by progressive marginal bone loss Implant fracture and other mechanical complications

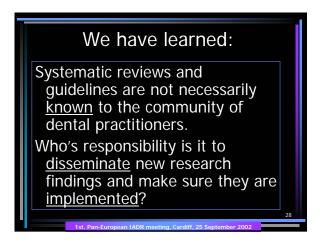
The most relevant outcome criteria? Perceived/self reported: Observed: Adaptation to prosthesis Appearance (satisfaction) • Function (bite force, Appearance tracking) Function (chewing, Diet survey speech) Health indices Dietary significance (intake, selection) HRQL indices Health · Social activity Quality of life (psyche, well-being, self esteem) Social activity

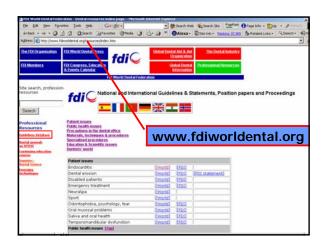
We have learned: Need to define the most relevant criteria for treatment outcomes when implant based prostheses are compared to alternative treatments

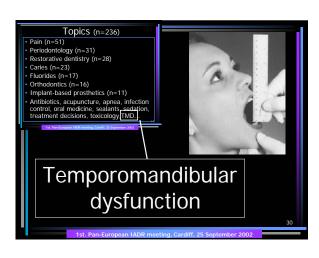












TMD – not a new affliction 1840, Evens, articulator 1896, Walker, complex articulator--->gnathology 1899, Snow, face bow 1952, Shore, equilibration 1877, Kingsley, splint 1881, Goodwillie, pivot appliance 1960, Gelb, MORA splint 1887, Annandale, surgical repositioning 1909, Lantz, removal of discus 1918, Prentiss, "pressure atrophy" 1934, Costen, "overclosure" --> vertical dimension 1959, Schwartz, emotional tension

TMD - 1996 consensus?

1996: 507 published reviews

- How common and how big is the problem?
- What is the etiology of TMD?
- What is the reliability of different diagnostic tests?
- What is the natural history of TMD?
- Which specific TMD treatment is superior and can be supported?
- Should/can TMD be prevented?

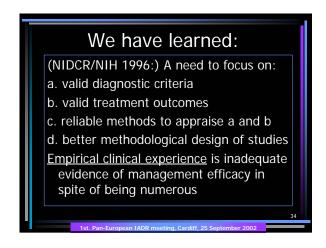
32

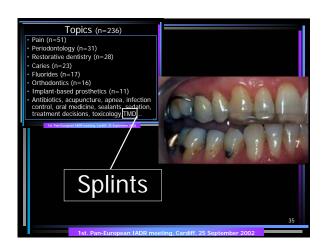
NIH Technology Assessment Conference on TMD. 29.4 - 1.5.1996

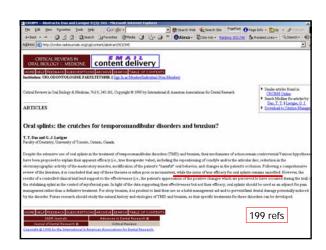
Rationale for addressing the issue:

- Concern about the safety and efficacy of the care provided to patients with TMD(!)
- Absence of clear, valid, and reliable guidelines for diagnosis
- Dearth of proven rationales for a full range of treatment methods
- Many may attempt therapy with approaches that have not been adequately tested in scientifically based research studies

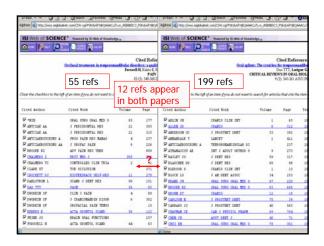
1st. Pan-European IADR meeting, Cardiff, 25 September 2002

















Dangers of systematic reviews and meta-analysis Publication bias - Unpublished data - Covert duplicate publications - Limitation to positive findings Language bias Funding bias Study quality bias Retrieval bias – they remain "observational studies" 42



