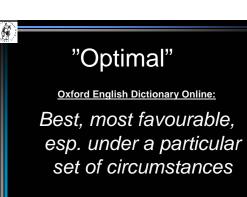
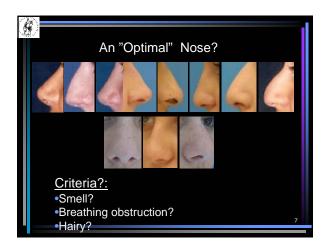


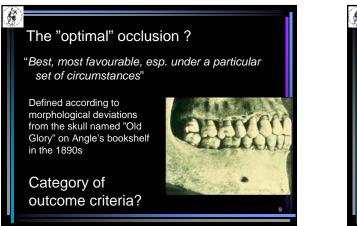
Patient / Clinical Problem	Intervention	Comparat ive interventi on	Outcomes
1. Types of "restorative treatment"	"Concepts of occlusal form"		What is " optimal function"?
a) Single teeth b) Partial, FPDs/RPDs c) Full Fixed Removable d) Implant-retained 2. Fabrication	- Canine vs group function - Tooth types - Shorten Dental Arch - Intermaxillary relationship 		Which category of outcome criteria is "stability and optimal function"? a) Surrogate? b) Clinical? c) Patient-relevant? d) Societal?













con	text with oral rehat	Dilitation	(1980 ->)
	Denture	RPD&FPD	Implant-retained
Cuspid v.s Group function	. Gausch, 1986 Hofmann ea, 1990 Grubwieser ea, 1999 Peroz ea, 2003		Jemt ea, 1982
Tooth type (Cusp ang			Khamis ea, 1998
Intermaxill relations	ary Fenlon ea, 1999		
Fabrication process	Hickey ea, -69/ Douglas ea,-93 Fahmy ea, 1990		
Other	Molar width	Canti-levers	Abutment resilience (IMZ)

Study	Methods	Participants	Interventions	Outcomes	Results
Hickey ea 1969/ ++/ Douglas ea 1993	Parallel RCT 20 yrs	Edentulou s patients. 2x32 enrolled	a. complex (facebow) b. standard	a. Patient satisfaction b. mucosa c. function tests d. boneloss	No differences
Fahmy et al., 1990	Crossover RCT. Trial period: 2 weeks, no transition period	Edentulou s patients. 10 enrolled	a. Convention al complete dentures b. Dentures made with the neutral zone impre. concept	a. Patient comfort & Mastication performanc e, peanuts	a. Patient comfort: all preferred type b dentures b. Mastication performance: no difference

Study	Study Method	Partici pants	Interventions	Outcomes
Peroz ea (2003)	Parallel RCT	22	Denture	Clinical & Subjective
Grubwieser ea (1999)	Experiment	17	Denture	EMG
Hofmann ea (1990)	Experiment	3	Denture	Jaw tracking Dent. retention
Miralles ea (1989)	Experiment	9	Denture	EMG
Manns ea (1987)	Experiment	6	Denture	EMG
Gausch (1986)	Anecdotal	1235 (2125)	Denture	Anecdotal
Jemt ea (1982)	Experiment	17	Implant FPD	Tracking

То	oth type	(cusp	o angle)	(1980 ->)	
Study	Methods	Participa nts	Interventions	Outcomes	Results
Lamou reux ea (1999)	Crossover RCT. Trial period: 8 weeks, no transition period	Patients with problem dentures. 22 enrolled	New dentures w/ 4 occl.surfaces. Morph 6°(a) & 10°(b) ,20°(c) 30°(d).	1. Patient preference	No differences
Khamis et al (1998)	Crossover RCT. Trial period: ? weeks, no transition period	Patients with bar- retained overdentu re on implants. 8 enrolled	3 occl.surfaces. Morph 0°(a) & 30°(b) + lingual occlusion.(c)	1. Patient preference & 2. 5 test foods, 1cm3. # cycles (& sec.) to first swallow + to mouth empty	1: a. 0 - b. 57 - c 43% prefs. 2: # cycles > 0-degree morphology
					1-

Study	Methods	Participants	Interve ntions	Outcomes	Results
Fenlon et al (1999)	Cross- sectional examinati on & Postal survey 3 mths later	Patients fitted with new dentures. 523 enrolled, 429 completed questionnaire	Denture	1.CR–MIP distance 2. OVD vs. Patient usage	Strong association between intermaxillary relations and usage

Summary – e	vidence for occlusal design
Cuspid v.s Group function	1 RCT (small) + anecdotal data & experiments, surrogate outcomes
Tooth type (& cusp angle)	2 RCTs (small), short-term
Intermaxillary relations	No RCTs, 1 survey
Fabrication process	2 RCTs (dentures), 1 long-term
Other	None found
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WHAT IS IMPORTANT IN CLINICAL PRACTICE? IS THERE EVIDENCE FOR A PARTICULAR OCCLUSAL SCHEME? occlusal scheme design? lateral guidance and mediotrusive balance?

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- 3. anterior tooth arrangement
- To few well-designed clinical trials to provide unbiased answers