

BMWF^a

Bundesministerium für Wissenschaft und Forschung



WORKSHOP CAM-FORSCHUNG 2009

Status Quo und Perspektiven für
Komplementärmedizin und integrative Gesundheitsförderung

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BUNDESMINISTERIUM FÜR GESUNDHEIT**

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Zahnmedizin

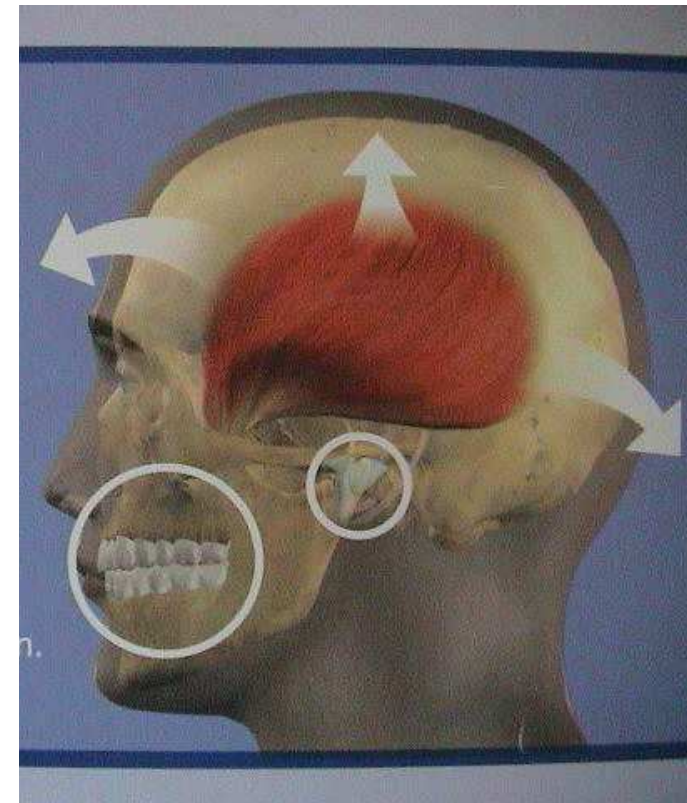
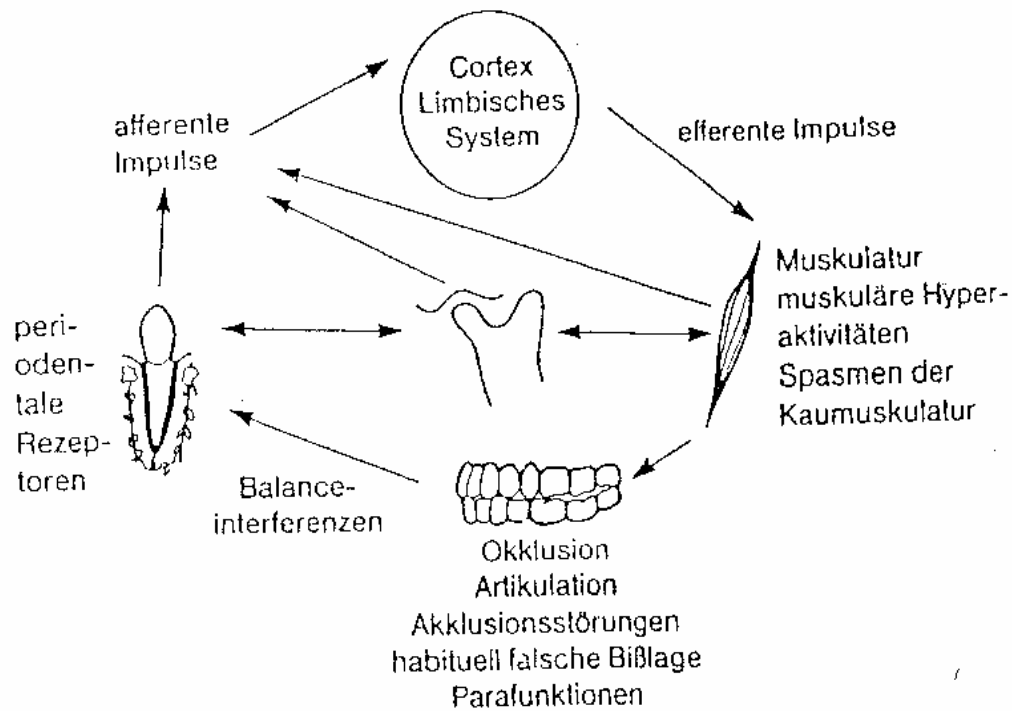
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Immediate effects of microsystem acupuncture in patients with oromyofacial pain and craniomandibular disorders (CMD)

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A double-blind, placebo-controlled trial

This study has been approved by the Ethics Committee of the Medical School of the University of Vienna and the General Hospital of the City of Vienna

Findings were evaluated before and after treatment

- subjective pain
- mouthopening
- muscular tenderness
- pain on pressure

In addition the mandibular joint movement was recorded using electronic axiography.

VAS

The primary target parameter in

those two groups was the

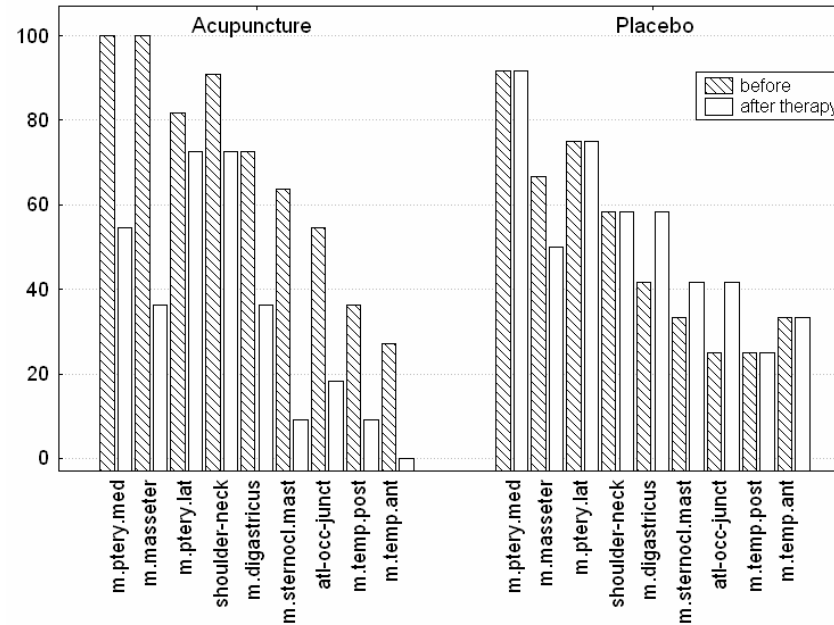
subjective pain sensation.

VAS-Scale 0-100

	Acupuncture group mean ± s.d.	Placebo group mean ± s.d.	p-value
VAS before therapy	44.0 ± 23.3	34.1 ± 22.7	0.231
VAS after therapy	24.9 ± 22.2	27.8 ± 16.2	0.751
VAS Improvement before/after	19.1 ± 11.9	6.2 ± 14.8	0.033

STUDY DESIGN

Randomized placebo
controlled trial



RESULTS

Acupuncture is a
very effective tool in
acute treatment of CMD

Significance of muscle pressure points between acupuncture and placebo group

	before	after	p-value*
Acupuncture	22.5 (7.8)	8.0 (10.0)	<0.001
Sham	19.0 (15.0)	16.0 (20.0)	

* Mann-Whitney test for differences before/after



Kraniomandibuläre Dysfunktionen

- Dysfunktionen der Kaumuskulatur
- Dysfunktionen des Kiefergelenks
- Dysfunktionen der Okklusion
- Halswirbelsäule-BWS-LWS
- Dysgnathe Krafteinleitung in den Schädel
- Schluckdysfunktion (Zungendyskinesien)
- unphysiologischer Bruxismus:
 - Knirschen und Pressen
- Mundatmung
- Lippendyskinesien
- Wangendyskinesien
- Sprachfehler
- ZAHNFEHLSTELLUNGEN
- Kieferorthopädie
- Schienentherapie
- Komplementäre Begleittherapien
- ...

Temporo-
mandibular zone

