



Enkelttann-tapet

*Veivalg hvis tanntapet er
anteriort kontra posterior*

Asbjørn Jokstad

*Correct
treatment...*

*...at the right
time.....*

*1. diagnostic
abilities and
knowledge of
effectiveness of
diagnostic tests*



Perceptive abilities
• Diagnostic abilities
• Empathy



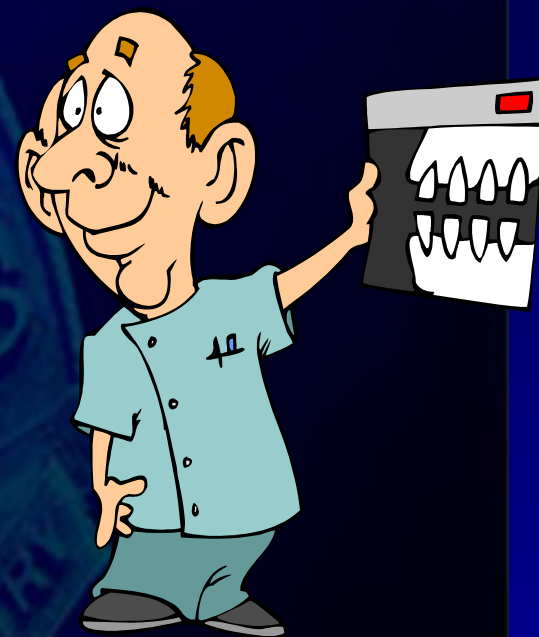
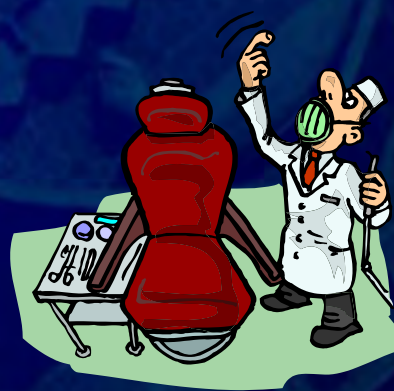


*Correct
treatment...*

*...offer an
effective
treatment....*

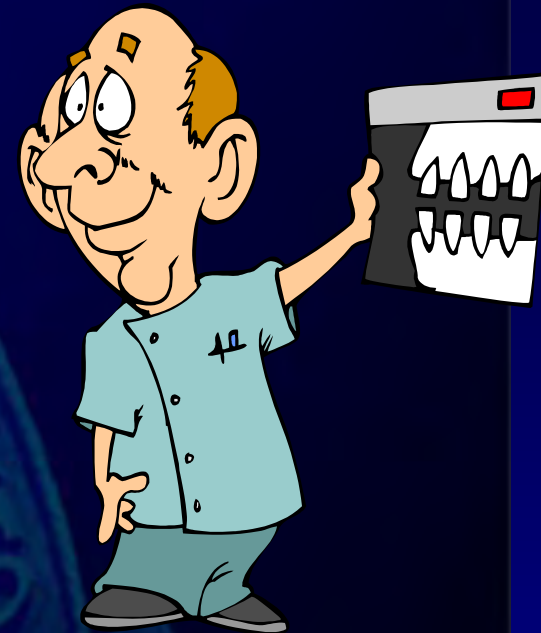
*2. knowledge of
effectiveness
and
consequences
of alternative
treatments*

*Dentist:patient
relationship
Two-way
communication*





*Direct
treatment...*



*...offer an
effective
treatment....*

*Dentist:patient
relationship*

*2. knowledge of
effectiveness
and
consequences
of alternative
treatments*

*What characterises
an effective
therapy?*



Dentists may present....

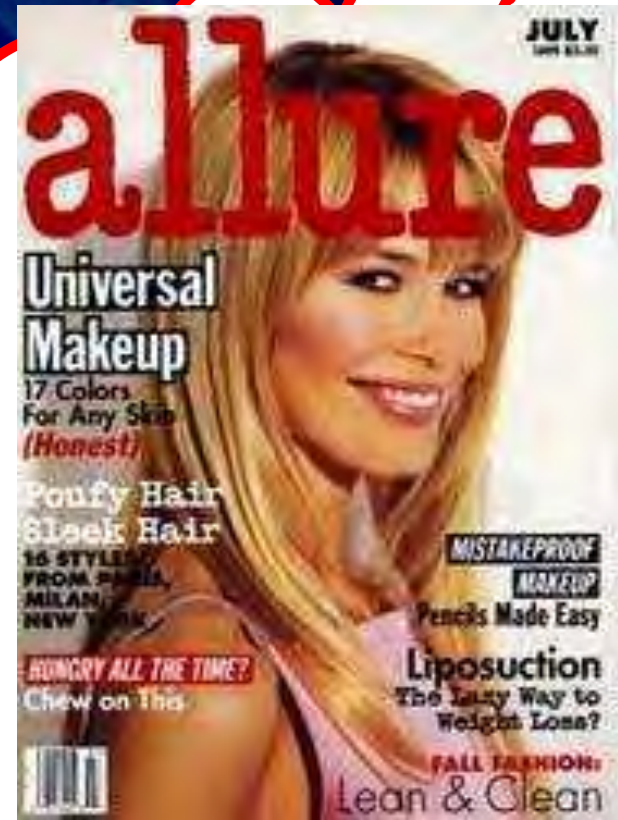
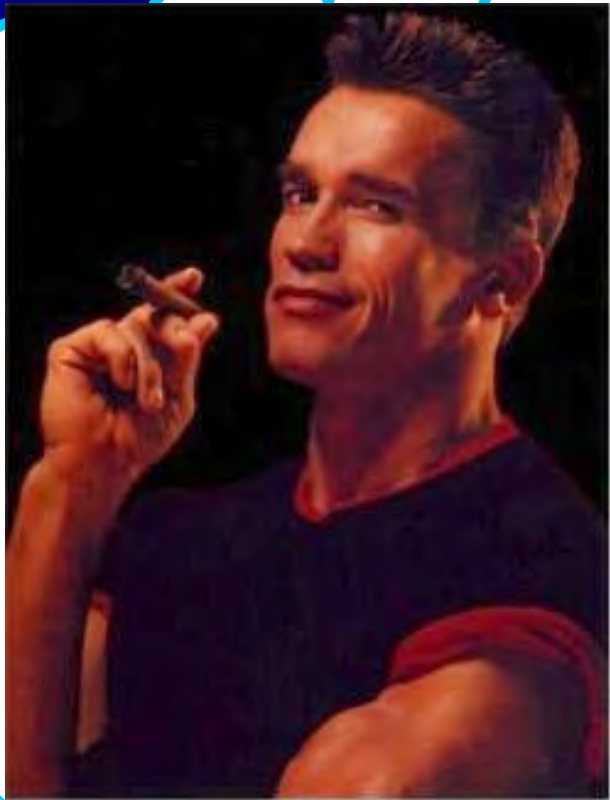


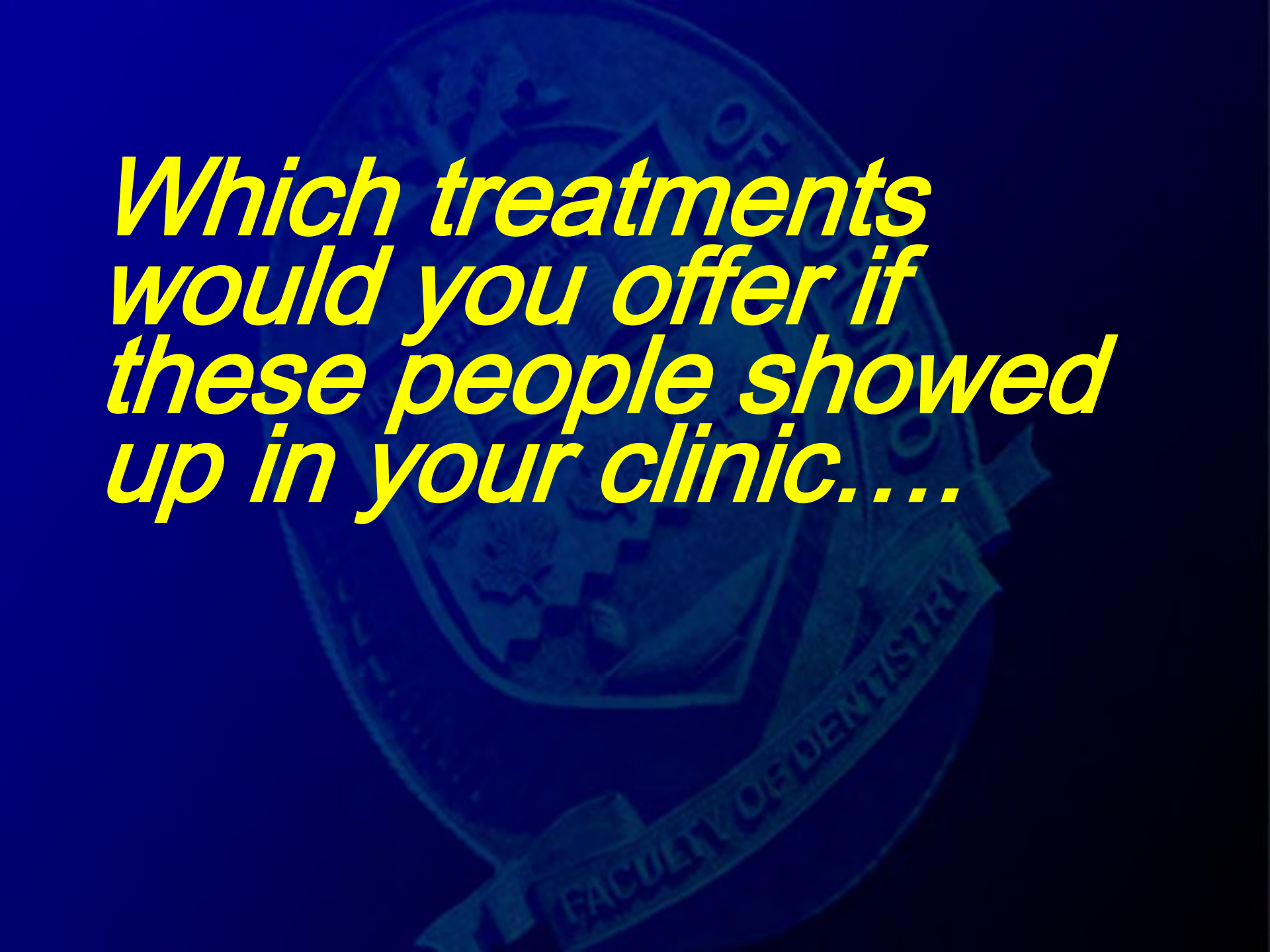


...or dentists present...

<i>Independent variables</i>	<i>Bi-variate odds ratios</i>	<i>Bivariate significance</i>	<i>95% Confidence intervals bivariate odds ratios</i>	<i>Multi-variate odds ratios</i>	<i>Multivariate significance</i>	<i>95% Confidence intervals for multivariate odds ratios</i>
Age group						
20-30	-	-	-	-	-	-
30-40	2.32	**	1.15 - 3.13	2.52	**	1.35 - 3.33
+40	2.63	***	1.43 - 3.08	2.63	***	1.83 - 3.8
Gender						
Male	-	-	-	-	-	-
Female	2.42	**	1.61 - 2.79	2.12	**	1.91 - 2.9
Material						
Amalgam	-	-	-	-	-	-
Composites	1.12	NS	0.13 - 1.56	1.42	NS	1.13 - 1.96
Glass ionom.	3.12	***	2.52 - 4.34	5.65	**	4.67 - 7.23
Dentists						
#1	-	-	-	-	-	-
#2	1.34	NS	0.35 - 1.61	1.04	NS	1.35 - 2.01
Location						
Mandible	-	-	-	-	-	-
Maxilla	1.55	*	1.17 - 2.04	1.15	*	1.57 - 2.14

..while patients may have completely other values and wishes



The background features a large, faded, circular emblem. The emblem contains a central shield with various symbols, including a caduceus (a staff with two snakes) and a scale of justice. The text "FACULTY OF DENTISTRY" is visible at the bottom of the emblem.

*Which treatments
would you offer if
these people showed
up in your clinic....*



Some of these pictures are photomanipulated

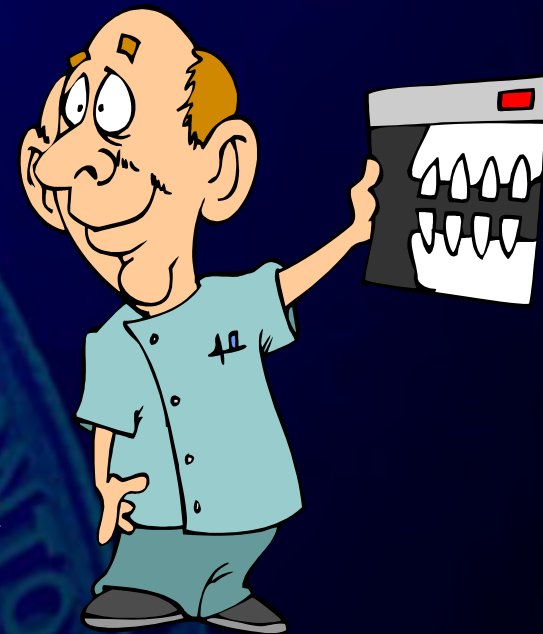


Direct Treatment...

...offer an effective treatment....
2. knowledge of effectiveness and consequences of alternative treatments

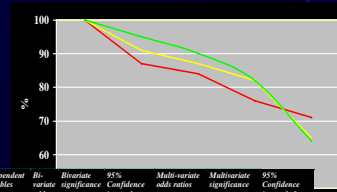


Clinical knowledge
↳ alternative treatments



Alternative treatments

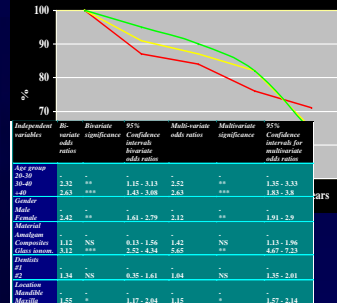
- Etch bridge
- Conventional bridge
- Crown
 - implant-based
 - following autotransplantation
 - following orthopedic treatment
- Veneer/ Veneer crown / direct restoration
 - following autotransplantation
 - following orthopedic treatment
- Removable prosthesis
- No treatment



Independent variables	Bivariate odds ratios	Bivariate significance	95% Confidence intervals bivariate odds ratios	Multi-variate odds ratios	Multivariate significance	95% Confidence intervals for multivariate odds ratios
Age group	-	-	-	-	-	-
20-30	-	-	-	-	-	-
30-40	2.32	**	1.15 - 3.13	2.52	**	1.35 - 3.33
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Gender	-	-	-	-	-	-
Male	-	-	-	-	-	-
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Material	-	-	-	-	-	-
Amalgam	-	-	-	-	-	-
Composites	1.12	NS	0.13 - 1.56	1.42	NS	1.13 - 1.96
Glass ionom.	3.12	***	2.52 - 4.34	5.65	**	4.67 - 7.33
Placement	-	-	-	-	-	-
#1	-	-	-	-	-	-
#2	1.34	NS	0.35 - 1.61	1.04	NS	1.35 - 2.01
Location	-	-	-	-	-	-
Mandible	-	-	-	-	-	-
Maxilla	1.55	*	1.17 - 2.04	1.15	*	1.57 - 2.14



Alternative treatments



Etch bridge

DMF/endo/perio status?

2 or 3 abutments?

Metal / non- metal

Connect, Fibrekor, Fibreflex, Fibrespan, Glasspan, Ribbond, Splint-It!, Stick...

Optimal surface preparation

Tooth

Metal / non-metal surface

Occlusion?

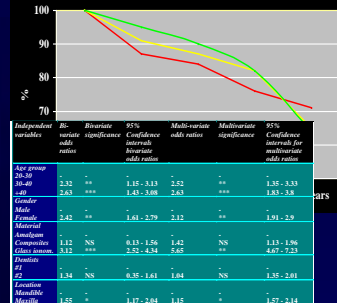
Optimal cement?



- *Beuchat et al., 1999*
- *Creugers - Hansson - Marinello - Thompson*
- *Pröbster, 1997*
- *Briggs et al., 1996*



Alternative treatments



Fixed bridge

DMF/endo/perio status

2 or 3 abutments?

Metal /full -ceramic?

Alloy / ceram

Optimal tooth preparation?

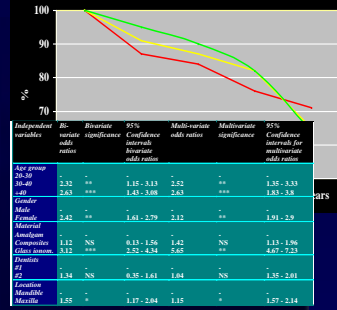
Occlusion?

Optimal cement?

- *Scurria et al., 1998*
- *Creugers et al., 1994*
- *Glantz - Jokstad - Karlsson - Palmqvist - Öwall*



Alternative treatments



Orthodontic therapy

Opening or closing of spaces?

Sabri, J Am Dent Assoc 1999



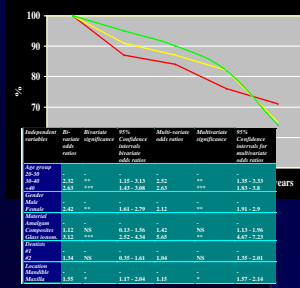
Auto-transplantation

Limited to growing adolescents

- Nethander, Int J Prosthodont 1995
- Thomas et al., Br J Orthodontics 1998
- Schliephake et al., Dtsch Zahnärztl Z 1999



Alternative treatments



Crown - Veneering - Direct restoration



DMF/endo/perio status

Metal-/ full ceramic /galvano / cad-cam?

Alloy: high gold, precious, semiprecious ?

Ceramic: Low fusing, pressure, sintered, Al-oxide?

Composite resin: Microfill, hybrid, high fill?

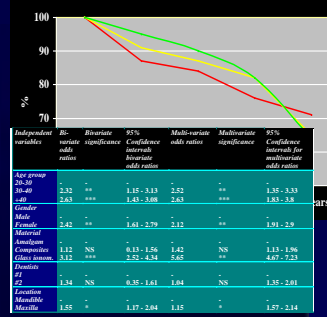
Optimal tooth preparation?

Optimal cement?

Das **6**
Dental
Vademekum



Alternative treatments



Single tooth implant

Diameter?

Bone quality/ quantity - GTR?

Implant-type?

Astra, Calcitek, Corevent, Friatec, IMZ, ITI, Nobelbiocare, SteriOSS...?

Cement or screw-retained?

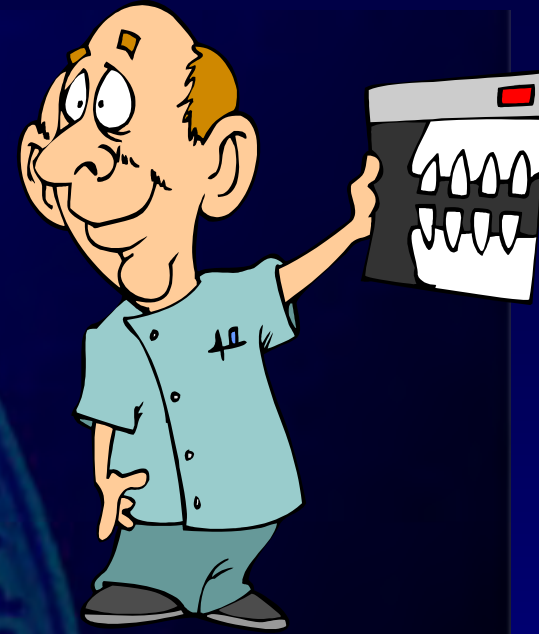
- *Scholander, 2000*
- *Noack et al., 1999*
- *Meffert, 1997*
- *Andersson - Gotfredsen - Jemt - Ödman*



Direct treatment...

...offer an effective treatment....

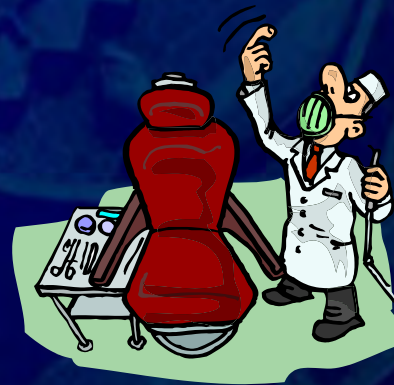
2. knowledge of effectiveness and consequences of alternative treatments



Clinical knowledge

• alternative treatments versus no treatment

• Biologic costs





A dentist may perhaps offer:

Etch-bridge

Single tooth implant



Conventional bridge





...gloss?

DPNOVA

Resultatet

komplett system for tisk tannbehandling

teknikk
sterende maleteknikk
patentert fullkeramisk skelett
styrken med 2 til 3 ganger
genkontrast
samt mot antagonistene
kompatibelt

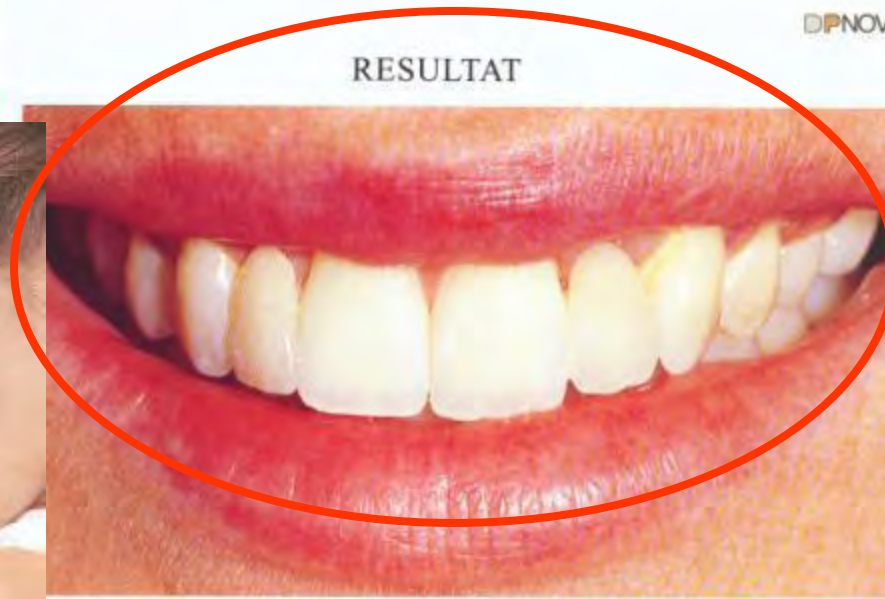
ro estetikk



IPS Express 2 fronttannbro

restored restoration appears most enauncing indication for implant treatment. Unchallenged tissue response in combination with the flexibility in surgical techniques and prosthetic options makes the Astra Tech Dental Implant a reliable option for implant

ures are now being advanced. Together with the recently launched Prepuble Abutment System, these components give clinicians and technicians a wide range of products with which to handle each individual situation ▲



by Dr. [unreadable]
Ludwig, [unreadable]

CASE REPORT
One Stage Procedure

CLINICAL DATA
Scientific update on
Page 53

CASE REPORT
with [unreadable] [unreadable]

CALENDAR OF EVENTS



17-årig pojke som fått en Rochettebro som ersättning for 21. (sid 6).
Förlust orsakad av trauma.



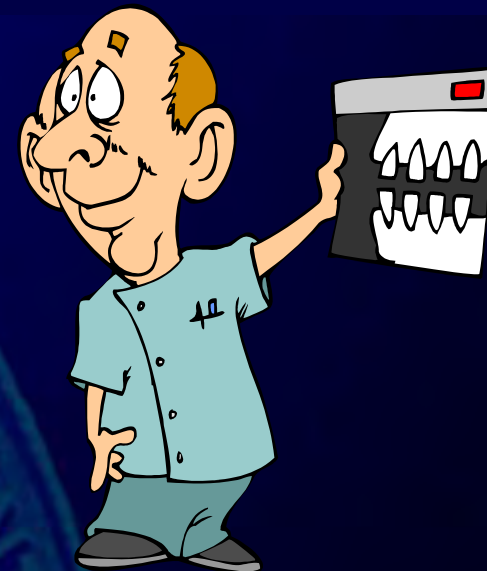
ASTRA TECH



Direct treatment...

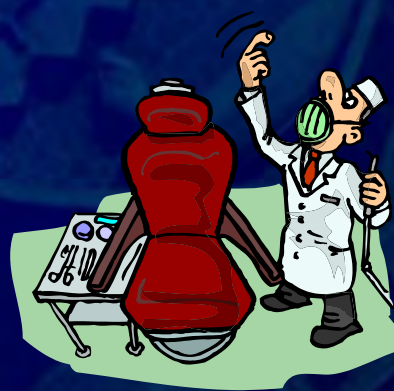
...offer an effective treatment....

2. knowledge of effectiveness and consequences of alternative treatments



Clinical knowledge

- alternative treatments versus no treatment
- Biologic costs
- Psychosocial costs





Reality can occasionally be -etch bridge



Perfect result%?

Grey tone %?



Gingivitis %?

Opacity %?





..and sooner or later



Loosening with or without secondary caries %?



Reality can occasionally be -bridge



Perfect result %?



Gingival grey-tone %?

Ceramic fracture %?



Cervical retraction %?



Gingivitis %?



Secondary caries %?





Quality can occasionally be



*Perfect result
%?*



*Opacity due to
misalignment %?*

*Gingival-
retraction %?*



*Exposed
fixture %?*

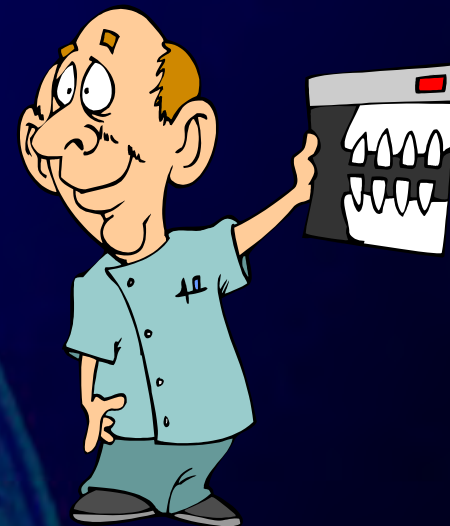
*Adjacent necrosis
%?*





Correct treatment...

...offer an effective treatment....
2. knowledge of effectiveness and consequences of alternative treatments



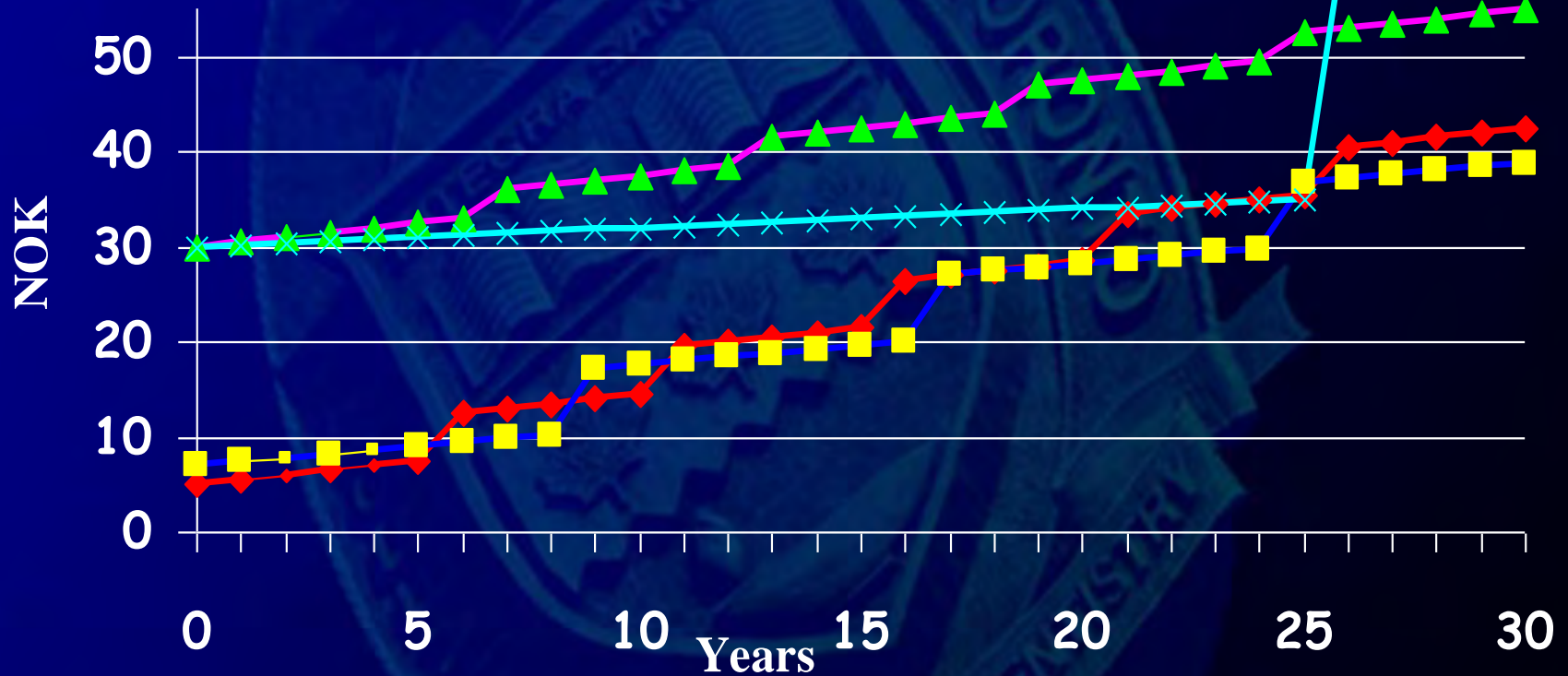
Clinical knowledge

- alternative treatments versus no treatment
- Biologic costs
- Psychosocial costs
- Economic costs
- Fee / Prognosis





Costs



Inadequacies of model:

Costs are not adjusted for inflation

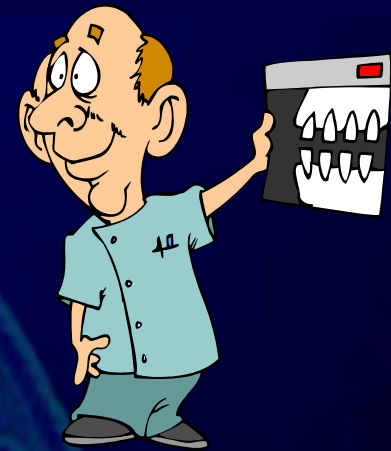
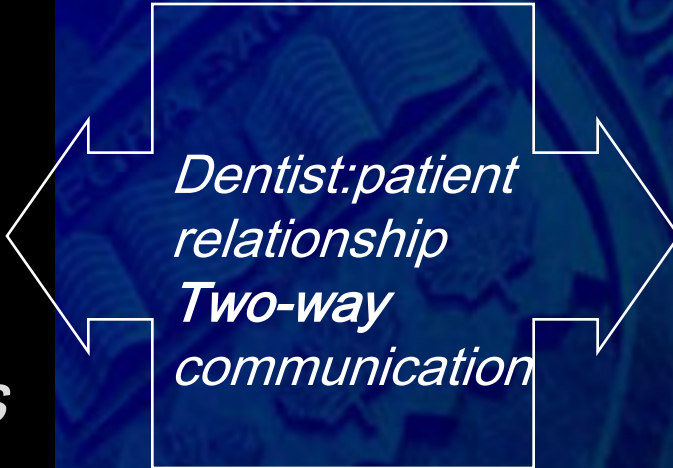
Replacement not always possible

Based on average data - not on individual practitioners'



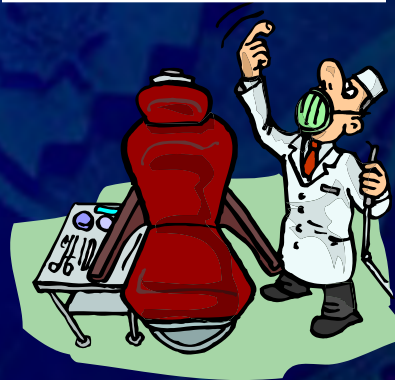
Correct treatment...

...offer an effective treatment....
2. knowledge of effectiveness and consequences of alternative treatments



Clinical knowledge

- alternative treatments versus no treatment
- Biologic costs
- Psychosocial costs
- Economic costs
- Worst-case scenario





Worst case scenarios

How often do they occur in your practice?

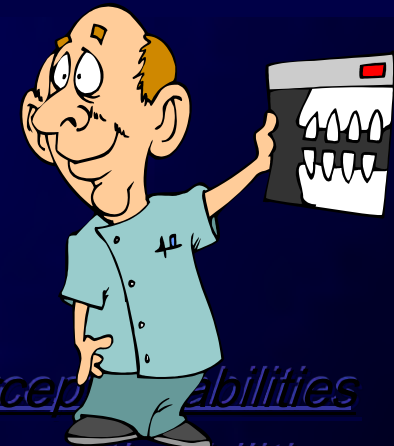




*Correct
treatment...*

*...for the right
patient....*

*3.ability to
communicate with
the patient and
empathy, as basis
for rational
strategies for
treatment*



*Perceptual abilities
diagnostic abilities +*

Empathy

+

Clinical skills

+

Clinical knowledge

*• alternative treatments
versus no treatment*

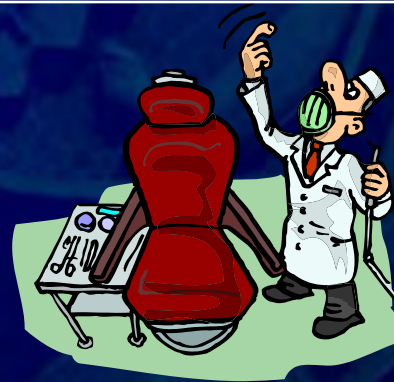
• Biologic costs

• Psychosocial costs

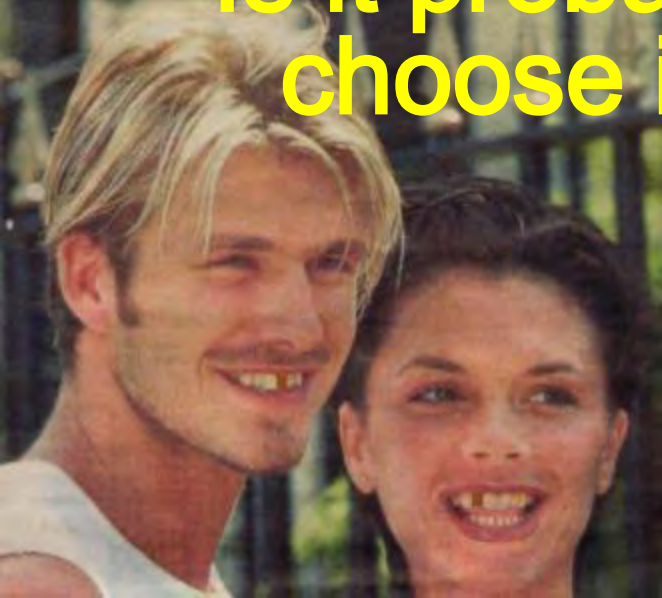
• Economic costs

• Worst-case scenario

• Worst case



Is it probable that they would all choose identical treatments?



Some of these pictures are photomanipulated



Choice of therapy - preferences

Patients differ regarding views and choice of values.

Håkestam et al. 3 personality profiles
health - appearance - longevity

Lutz et al. : 5 personality profiles
Orally: functional -
presentable - healthy -
beautiful - metal-free

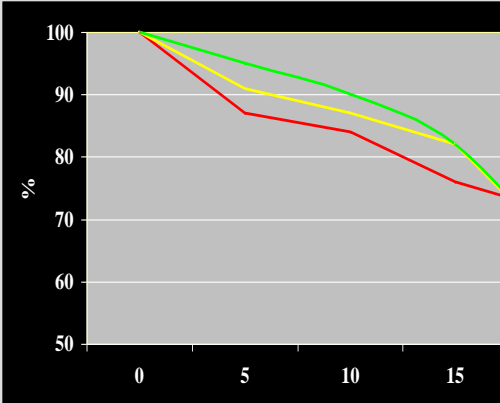


Choice of therapy - preferences

Reflected by statements on e.g.

- Total rehabilitation or minimal solution?
- Demand for longevity, 1 y. - 30 yrs.?
- Risk attitude to iatrogenic damage, i.e. future prognosis of tooth?
- Demand for fixed (or removable) prosthetic solution?
- Expectance of treatment?
- Patient economy.

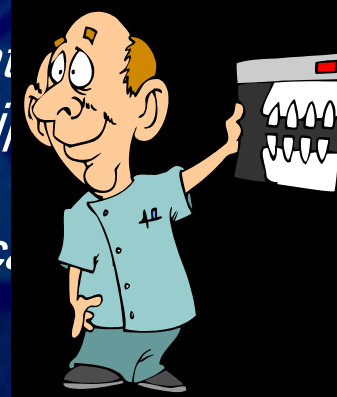
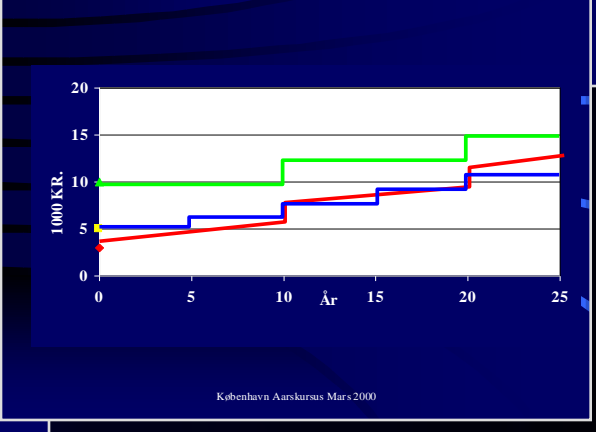
*Correct
treatment...
...for the right
patient....*



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Material						
Amalgam	-	-	-	-	-	-
Composites	1.12	N				
Glass ionom.	3.12	**				
Dentists						
#1	-	-	-	-	-	-
#2	1.34	N				
Location						
Mandible	-	-	-	-	-	-
Maxilla	1.55	*				

*3.ability to
communicate with
the patient and
empathy, as basis
for rational
strategies for
treatment*

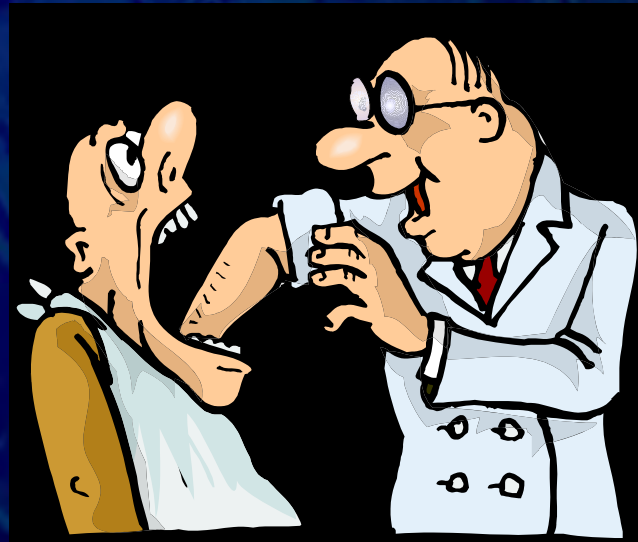
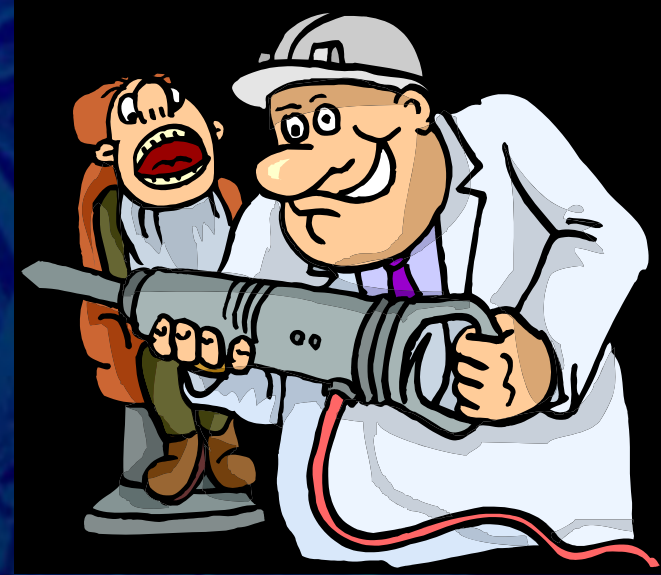
*Dentist:patient
relationship
Two-way
communication*

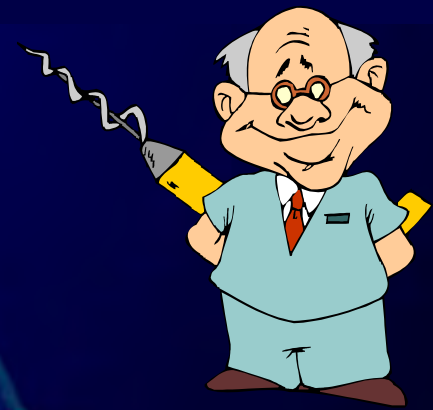
*Correct
treatment...*

*...carried out
correctly.....*

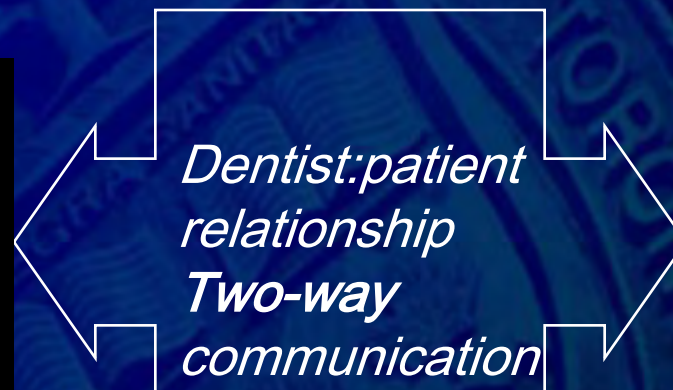
*4. a minimum
level of
technical-
manual skills
and clinical
experience*



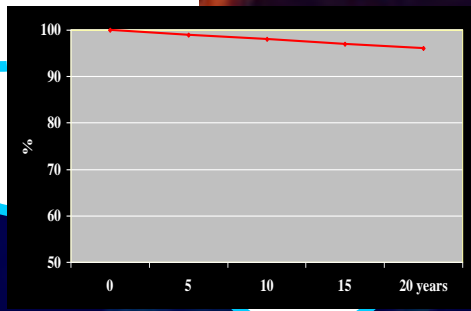
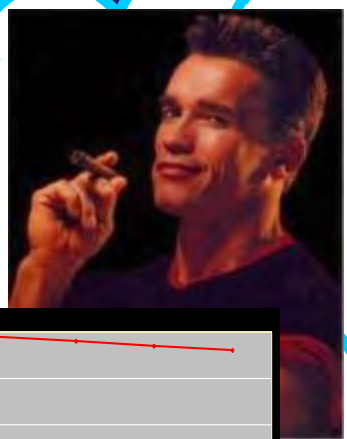
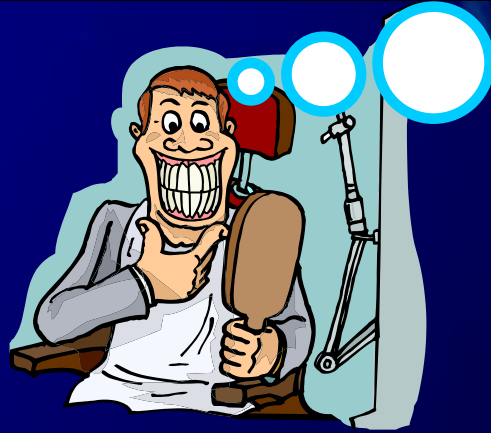
Correct treatment...



...and obtain the best possible result
5. the desire to prioritize the patient's preferences and - values when evaluating the treatment success



- Perceptive abilities
- Diagnostic abilities
- Empathy
- +
- Clinical skills
- +
- Clinical knowledge:
 - ☺ alternative treatments versus no treatment
 - ☺ Biologic costs
 - ☺ Economic costs
 - ☺ Psychosocial costs
 - ☺ Worst-case scenario





Take-home messages 1/2

- Two-way communication is critical
- Dentists and patients do not have similar evaluations of therapy
- Dentists and patients do not have similar appraisal of, and attitude towards risk
- Consequently, suggestions for treatments as well as descriptions of these must be based on the patient's wishes and values