

Highlights of the conference

Trade fair: A masive trade fair of 80 stalls will be in place during the conference, where it is expected that several new products will be on display and demonstration. **Table clinics :** On conference days, Table clinics will be held by professionals. Computer displays, Technical Manuats, Posters, Models etc will be displayed to give the first hand experience. **Theme Dinners :** Exciting theme dinners have been organised, on 23rd night at Sun City, where the ambience will instantly transport you to a totally different world. **About the venue :** The 400 year old charismatic Hyderabad has a lot to offer. The Golkonda Fort, The Charminar, The Salarjung Museum, The Monolith Buddha Statue in the tranquil lake of Hussain Sagar and the new IT landmark Hi-Tech city are just a few of the many favourite tourist spots. One can shop in the Lad bazar for bangles or look for quality Pearls or take a trip to the near-by Pochampally village to buy Pochampally sarees. The chosen venue for the in-house conference is the picturesque Ramoji film City — the most lavish & exclusive destination, and probably one of the finest in the world.

Keynote and Guest lectures

- Dr. Raj K Raja Rayan, Dean of Royal college of Surgeons, London Subject : Fixed Partial Dentures a Modality of Treatment
- Dr. Zafrulla Khan, Head of James Graham Brown Cancer Center; Louisville. Subject : Role of Maxillofacial Prosthodontist in New Millennium
- Dr. Asbjorn Jokstad, Faculty: University of Oslo Subject : Cost, Benefit Analysis in Prosthodontics.
- Dr. EGR Solomon, Founder member of IPS Senior Teacher; Madras Subject : Complete Denture Harmony
- Dr. Chandrasekharn Nair, Head of the Department, Ambedkar Dental College Bangalore Subject : Maxillofacial Prosthetics, Stress Management
- Dr. Firdaus S. Jafrei, Carol Stream IL Subject : Full Mouth Rehabilitation Using Multiple Implant Modalities.
- Dr. Martin Steinbauer, Private Practice in Sonthofen Subject : Telescopic Crowns and Implant Possibilities
- 8. Dr. Ajit G. Shetty, Bombay Subject : Laminates
- Dr. Dilip Deshpande, Former Prof & Head, Nair Dental College Bombay Subject : Implant Occlusion & Attachments in Removable Prosthesis
- Dr. Sadasiva Shetty, Dean, Bapuji Dental College; Davangere Subject : Prostho Ortho Relation
- 11. Dr. Maj. Gen. T. Ravindranath, New Delhi Subject : Implant Indian Perspective

 Dr. Swarajya Bharathi Sudhapalli, Faculty in KLE Dental College, Belgaum

Subject : Mandibular Flexure (Clinical Aspects)

- 13. Dr. K. Balasubramanyam, Director NFTDC Hyderabad Subject : Indignization of Dental Materials
- 14 Dr. Sabita Ram, Faculty in Govt. Dental College Bombay Subject : Impression Techniques in Removable Prosthetics
- Dr. Suhasini J Nagda, Head of Prosthodontics, Nair Dental College Bombay Subject : Soft Lined Dentures
- 16. Dr. Suresh Meshram, Head of the Dept. Govt Dental College Bombay Subject : Partial Denture Design
- Dr. Mahesh Verma, Head of Dental wing MAMC New Delhi Subject : Denture Bases and Advances
- 18 Dr. Milind Karmarkar, Bombay Subject : Hybrid Prosthesis
- Dr. Shavir S. Nooryezdan, Implantologist, Bombay Subject : Creating the ultimate aesthetics in the single tooth implant restoration
- Dr.Kiran Kelkar Bombay, Subject : Harmony between Lab & Clinical Practice
- 21. Dr. Faber Cologne Subject : Galvano Formed Copings

8 pre conference courses on 21st and 22nd November 2001 will be held at National Institute of Health and Family Welfare Vengal Rao Nagar and Hotel Green Park, Hyderabad.

- 1. Hinge axis registration and transfer and Gothic arch tracing and role of articlulators in Prosthodontics; Course conducted by Dr. Raj K. Raja Rayan and Dr. E.G.R. Solomon.
- 2. Maxillofacial Prosthesis Silastic materials in Maxillofacial prosthetics: conducted by Dr. Zafrulla Khan
- 3. Clinical and laboratory procedures for ceramic laminate veneers. Conducted by Dr. T.V. Padmanabhan and Mr. Sameer
- 4. Prosthetic protocol of implant -- transitional implants: Course conducted by Dr. Martin Stienbauer and Ajit Shetty
- 5. Galvano formed copings: conducted by Dr. Faber and Andreas Hubben
- 6. Hands on course on Metal free ceramics : conducted by Andreas Hubben
- 7. Hands on course on Geo waxing technique : conducted by Mr. Michael Hemmer
- 8. Implant loading and management of integrated implants: Course conducted by Dr. Firdaus S. Jafri and Mrs. Tracy Suart.

Conference Secretariat : Dr. K. Mahendranadh Reddy, The Dental Clinic, 36, Ground Floor, "Topaz", on amrutha Hills, 6-3-883, Punjagutta, Hyderabad - 500 082, Phone : Clinic 3411841, 3404140. Resi : 3402552, E-mail : mrkareti@eth.net

Official Publication — Quintessence International

Removable prosthodontics, low cost but high benefits?

> Asbjørn Jokstad Institute of Clinical Dentistry University of Oslo



Cost-effectiveness issues

1. From whose perspective should therapy effectiveness be assessed?



1. From whose perspective should therapy effectiveness be assessed?





Cost-effectiveness issues

 From whose perspective should therapy effectiveness be assessed?

2. Which indicators should be used to describe health and treatment outcomes, and how can values be assigned to the different indicators?



From whose perspective should therapy effectiveness

2. Which indicators should be used to describe health and treatment outcomes, and how can values be assigned to the different indicators?

Which indicators?

Aesthetics? Functional measures? Patient satisfaction? ◆Time? Adverse effects on remaining oral tissues? Longevity? Quality of life?



Cost-effectiveness issues

 From whose perspective should therapy effectiveness be assessed?

2. Which indicators should be used to describe health and treatment outcomes, and how can values be assigned to the different indicators?

3. What is the quality of the data available for appraisal?







Clinical studies - design

characteristics

	Nur coh	Number of cohorts		Observation period		Size	
	1	2	>2	span	average	span	average
Prospective	39	2	3	48 days -	4.7	4 -300	56
(n=52) <mark>(n=4)</mark>	3		1	25 years	years		
Retrospective	13	1	3	2 - 25	7.2	24 - 524	120
(n=23) (n=2)	1		1	years	years		
Case series	15	_	_	3 mths -	4.4	8-344	88
(n=15) (n=1)				13 years	years		
RCT	_	7	3	14 days -	< 1 year	14-85	43
(n=10) <mark>(n=1)</mark>				4 years			

	Size	
	span	average
Cross-sectional	13- 1608	202
(n=32) <mark>(n=6)</mark>	24-1286	612
Experimental	1 -79	22
(n=41)(n=0)		
Case-control	8- 250	95
(n=10) <mark>(n=1)</mark>		



Costs considerations in prosthetic therapy

Fees
Survival
Yearly expenditures
"Worst-case"- scenario

Costs = Biological - Economical - Psychosocial





Patient information: • pain region 44-45 • would like a better chewing situation in 4. quadrant

Findings: 35: mesially tipped 36: caries distally, bifurcation involvement, interference 25/36 47: root remains

Upper jaw front: aestetics





42, 41, 31, 32: attachment loss, mobile 44: periapical lesion

45: caries distally, fractured reamer

47: ankylosis









Remove pathology: Clinical questions

♦ Caries

Restorative material?

- Periapices / pulpitis
 - Retrograde endodontics? Extractions?
- Periodontitis
 - Furcation surgery? Root separation?
- Tipping / Interference
 Orthodontics?
 Occlusal correction?



Remove pathology:



Removal of pain and pathology <u>can not be seen isolated from</u> Rehabilitation

What should decide the choice of further treatment?



Choice of therapy

1. Patient views , choice of values, attitude to risk



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

Choice of therapy - preferences



Choice of therapy - preferences

Patients differ regarding views and choice of values - i.e. "personality profile" Håkestam& Söderfeldt: 3 groups: <u>health</u> - <u>appearance</u> - <u>longevity</u>



Choice of therapy

1. Patient views and choice of values

2. Patient communication

Robin Wright. Tough Questions, Great answers. Chicago: Quintessence, 1997.



1. Patient views and choice of values

2. Patient communication

Robin Wright. Tough Questions, Great answers. Chicago: Quintessence, 1997.

3. Possible technical solutions





Iatrogenic

= biologic cost

damage?

Possible technical solutions



Dentist / technicianknowledge & capabilities



Patient wish vs realistic treatment possibilities

 Patient views and choice of values
 Patient communication
 Robin Wright. Tough Questions, Great answers. Chicago: Quintessence, 1997.
 Possible technical solutions

4. Realistic aims with different technical solutions?

Restore function?

Change appearance?

Prevent future problems?

Level of, or risk for,

iatrogenic damage?











Patient views and choice of values
 Patient communication
 Robin Wright. Tough Questions, Great answers.
 Chicago: Quintessence, 1997.

 Possible technical solutions
 Realistic aims with different technical solutions?
 Alternative technical solutions - costs







Acrylic partial denture



Fee: NOK 4.000-6.000

<u>Considerations:</u> Dental vs lingual bar? Extraction front teeth? Extraction 36 mesial root? Clasps 33 or 35? Extraction 44 and/or 45? Extraction 47?



Cast partial denture



Fee: NOK 7.000 - 17.000 <u>Additional Considerations</u> saddle 3. quadrant? clasp 43or 44 or 45? 47: attachment-gold coping- extraction?





Cast denture + crowns



Fee: NOK 16.000-26.000

Additional considerations Soldered 44 and 45? 36 extraction or crown? Milled crowns? Intra- or extracoronal attachments?







Fee: NOK 30.000-35.000

<u>Considerations:</u> 47, 36, 45: extraction or gold coping or attachment? 43/44/45: separation?









Fee: NOK 30.000-35.000

Considerations

Conventional alloy, titan-ceramic or gold acrylic? Zn-phosphate, GIC or resin cement?

Bridge extention 46? 46+47?





Fee: NOK 15.000 -30.000 + FPD NOK 15.000 <u>Considerations</u> One or two fixtures? Wide collar - standard diameter? Splintet - non-splintet? Cement - screw? Nobelbiocare, Astra, ITI, Friatec, Calcitek, IMZ, Corevent, Sterioss...?



Summary, fee

NOK 4 - 6.000 1 Clasp partial denture 2 Cast partial denture NOK 7-17.000 2b " " " + crowns NOK 16-26.000 3 Conus bridge NOK 30- 35.000 4 Fixed partial denture NOK 30-35.000 5 Implant based NOK 30-45.000



Economic cost over time

Initial fee Prognosis Average survival Yearly maintenance in time = costs

axb = economic cost over time



	laint	enance (m	ninutes/ye	ar)
Type. Acrylic RPD	<u>Control</u> 10	<u>Adjustments</u> clasp 2.year-10 occlusion 6.year-60	<u>Repair</u> rebase 3.year-60 tech.prob 10%/2y	<u>Sum</u> 50
Cast RPD	10	clasp 2.year-10 occlusion 6.year- 60	rebase 6.year-60 tech.prob 8%/2y	40
Conus bridge	10	retention 2.year-10 occlusion 6.year- 60	rebase 6.year-60 endodontic 20%/10y tech.prob 100%/5y	50
FPD	10		endodontic 8%/10y tech.prob. 20%/5y	20
Implant- based	10	RPD and cost-benefit	tech.prob. 40%/5y	40-70



Summary, fee + maintenance

1 clasp part.dent. NOK 4 - 6.000 50 min 2 cast part.dent. NOK 7-17.000 40 min 2b " " " + crowns NOK 16-26.000 45 min NOK 30- 35.000 50 min 3 conus bridge NOK 30- 35.000 4 bridge 20 min NOK 30- 45.000 5 Implant based 40-70 min + 18 min







1. What can happen if and when the prosthesis fail?

2. How probable is it that the prosthesis which <u>I have made</u> will fail?

<u>Potential costs</u> <u>economic</u> - biologic - psychosocial



Sum	mary - "wo	rst	case"
<u>Type:</u> Acrylic RPD	<u>Problem:</u> maladaptation	<u>%</u> <25	Additional cos 5.000 Alt prosthesis
Cast RPD	maladaptation	<=8	7.500 Alt.prosthesis
Conus bridge	tight retention	0.5	1 hour <i>correction</i>
FPD	abutment fracture	0.5	15-30.000 <i>implant</i>
Implant FPD	"sleeping fixt" RPD and cost-benefit	<4	5-30.000 new fixture? New FPD?



Daily application of economic considerations in patient care

Costs=Biological, Economical, Psychosocial

- 1. Possible technical solutions
- 2. Patient views and choice of values
 - Individally aimed treatment planning
- 3. Realistic aims with different technical solutions
- 4. Choice of technical solution integrating:
 - Fees
 - Survival
 - Yearly expenditures
 - "Worst-case"- scenario

