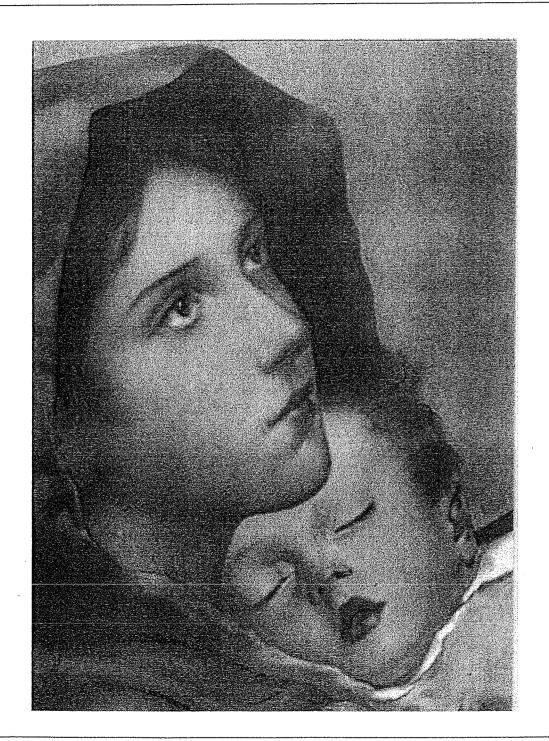


A NEWSLETTER BY THE DENTAL ASSOCIATION OF MALTA FOR THE DENTAL PROFESSION

Issue No. 21

December 2006



Dental Association of Malta - The Professional Centre, Sliema Road, Gzira GZR 06 Tel: 21 312888 Fax: 21 343002 Email: mfpb@maltanet.net



An Innovation in Interdental Cleaning

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Proxabrush' Click

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Dear colleagues,

Well folks it has been a great year with many events organised by the dental profession.

We have had a record number of members, 118 today as I write this letter. We need young new members to help us organize events and help with the Probe. Only a handful of people are active and we get people who criticize but then they never help when put on the spot. Those who say that I am too forthright in my approach I say –look at our results.

Those who play cat and mouse to dodge paying 20liri membership please note you can claim this as a tax-deductible expense, and really, are we asking so much?

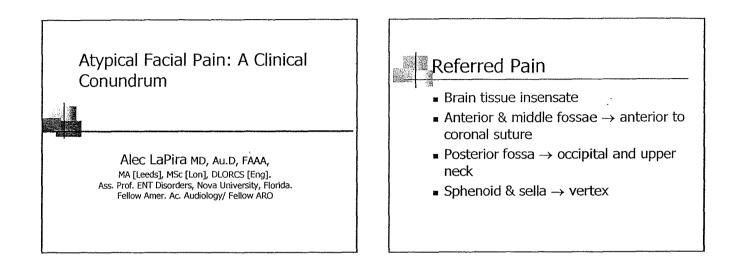
This issue is dominated by the great lecture by Dr Lapira on Atypical Facial Pain. I was going to serialize it, but I think it is much better presented as one.

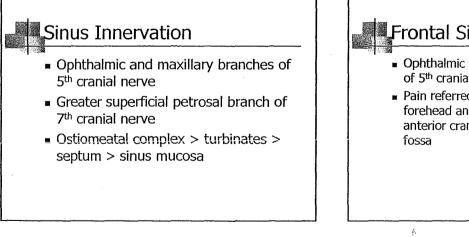
We have had great foreign and local speakers, such as Prof Ibbitson, Dr Smith, Dr Wise and Mr Alex Manche and Dr Adam Bartolo amongst others. The DAM-our journey continues.

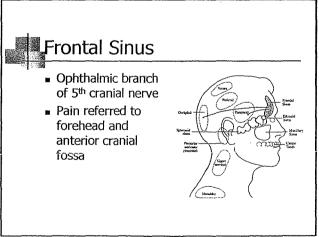
Dr David Muscat B.D.S. (Lon)

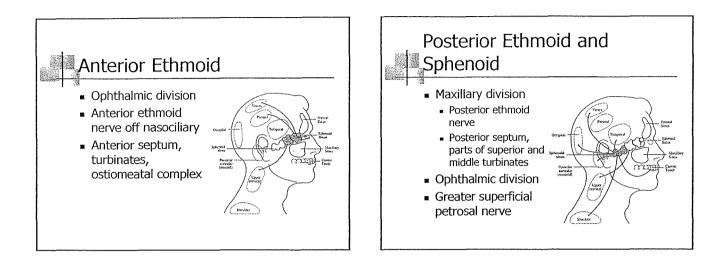
DAVID'S TOP 10 TIPS OF THE MONTH

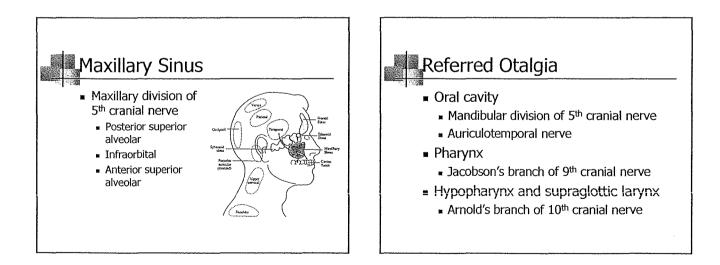
- 1. Fold a piece of X-ray lead foil into four and snip a 2mm diameter hole into it. One can then spot cure the centre of a veneer so one can trim excess cement off.
- 2. KY jelly can be used to hold veneer onto the tooth at try in stage.
- 3. Lead foil can be used as a framework onto which to add acrylic and a new tooth onto a partial denture.
- 4. KY jelly can be used to moisten the rubber seal of the autoclave.
- 5. Plumbers tape can be used to separate veneers during cementation.
- 6. When building up teeth, the ratio of an upper central to an upper lateral incisor is 1.6:1.
- 7. Restoring canine guidance is probably more important to see to first rather then restoring wear on posterior teeth.
- 8. Always put some alvogyl into a socket after a difficult extraction. Dry-sockets post-op will be avoided.
- 9. One can use petroleum jelly to exclude air when cementing a crown with panavia.
- 10. When making bilateral bridges, just do one quadrant at a time, possibly leaving one tooth as an occulusal slop. Fit bridge on one side and then work on the other side.











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Health & Beauty

TRISA is the leading Sector producer of body and cost care produces

The four **Trise Clinical** toothoustes are high quality Sales products, developed in close cooperation with Sales universities which enjoy an excellent reputation in the field of preventive dentistry. When using the **Trise Clinical** southpaste regularly you offer your tech an optimal protection against price and much more.

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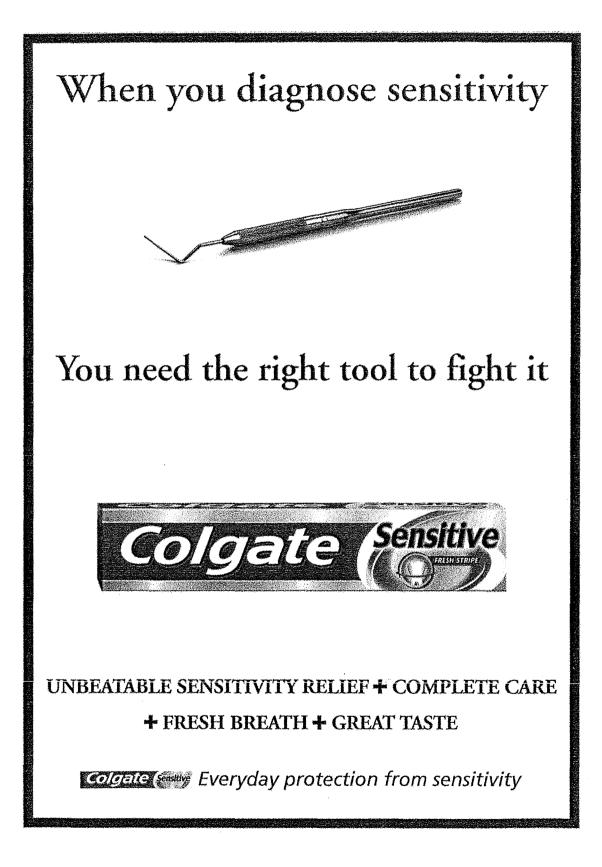
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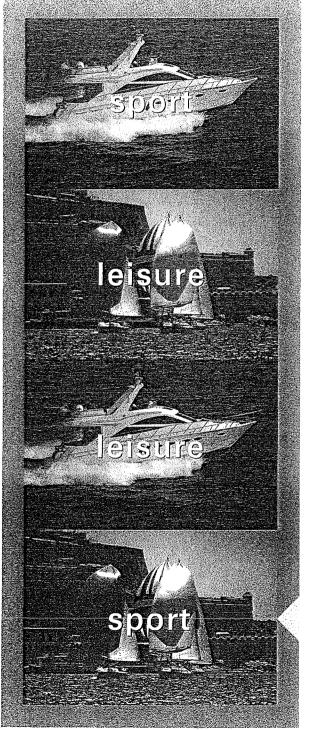
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Issued by HSBC Bank Malta p.l.c. 233, Republic Street, Valletta, VLT05

Yacht Finance

New, simple inexpensive

Motor or sail? Do you want to challenge the wind or speed off into the sunset? We've made buying a boat plain sailing.

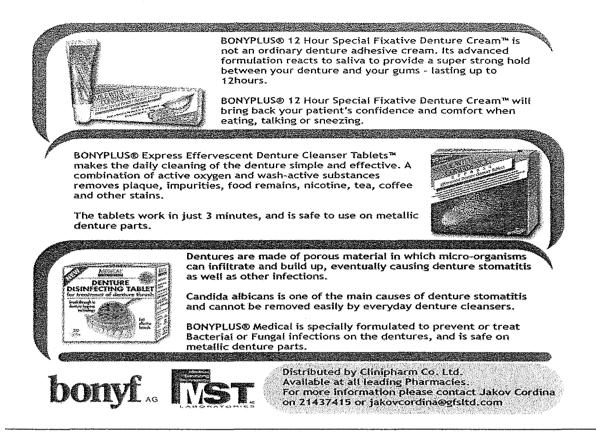
At HSBC Bank Malta p.l.c. we understand that everybody has different dreams, so no matter what type of boat you're thinking of buying, our Yacht Finance can help you make your dreams reality.

With a boat mortgage as security, you can borrow up to 80% of the total cost, for amounts starting from Lm30,000, payable over a maximum term of 10 years*.

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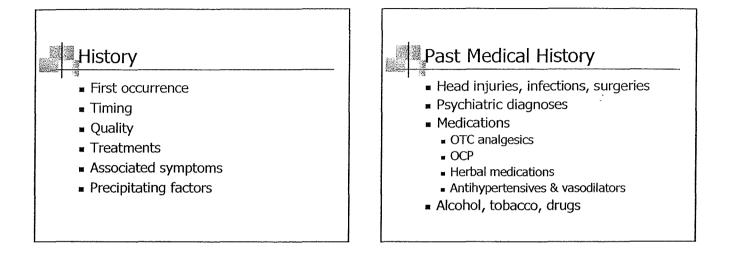
For Sale:

Dental chair, stool, equipment, instruments etc. Phone Dr. Charles Boffa on Tel. No. 21826841

Change of Address

Please let us know immediately when you have a change of address, because we are having some circulars returned to us marked unknown. Either inform some committee member, or better still, phone the Permanent Secretary, on 21312888 in the morning and she will see to it immediately.

Email: mfpb@maltanet.net

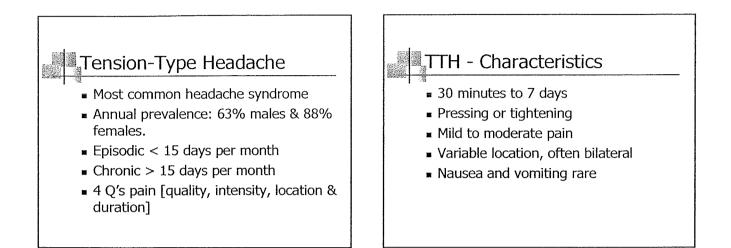


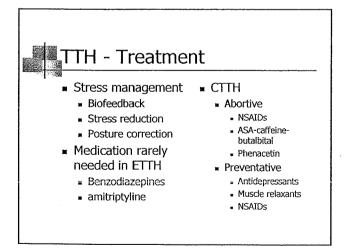
Physical Examination

- Complete head & neck exam
 - Cranial nerves
 - TMJ & muscles of mastication
 - Scalp vessels
 - Trigger points
- Neurological exam

Diagnostic Tests

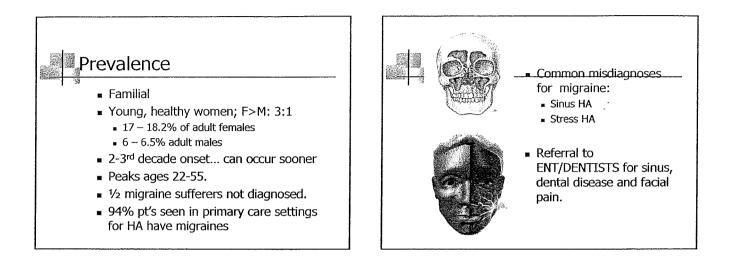
- EEG
- CT and/or MRI
- EMG
- TMJ radiography
- Cervical spine films
- Labs
- Psychometric testing

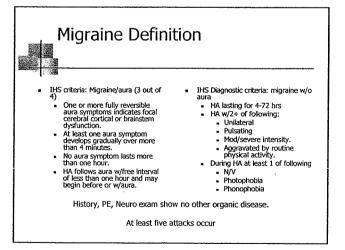


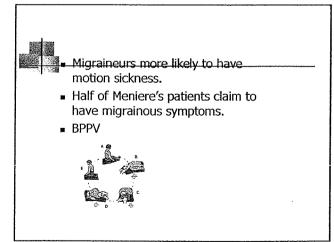


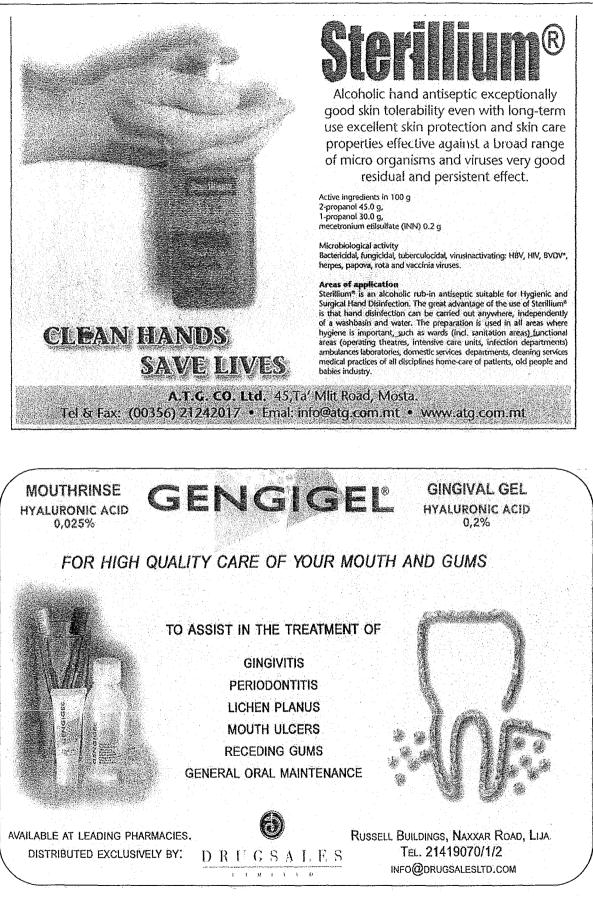
Migraine

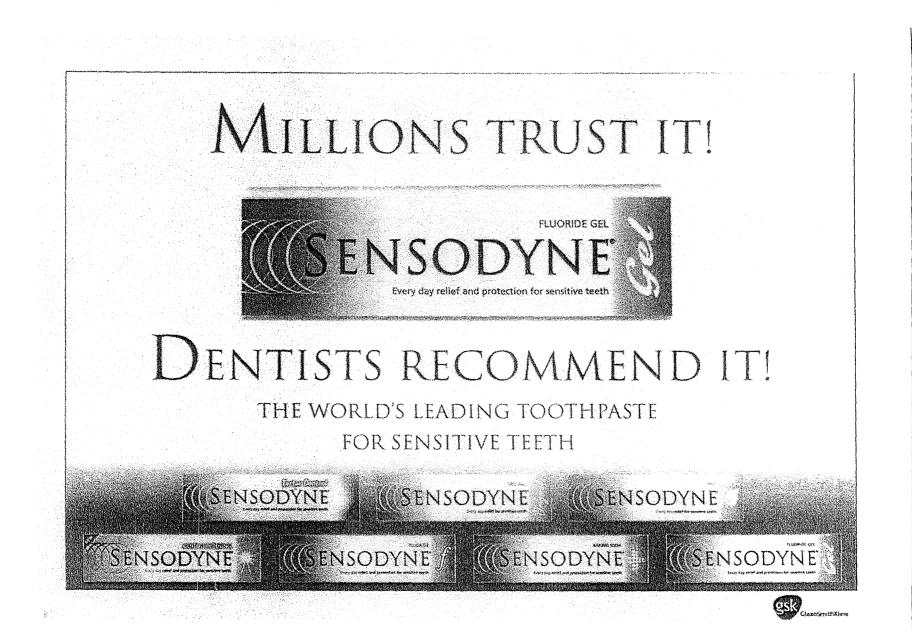
- 17% of females, 6% of males
- Moderate to severe pain
- Unilateral, pulsating
- 4 to 72 hours
- Nausea, vomiting, photophobia or phonophobia
- With or without aura



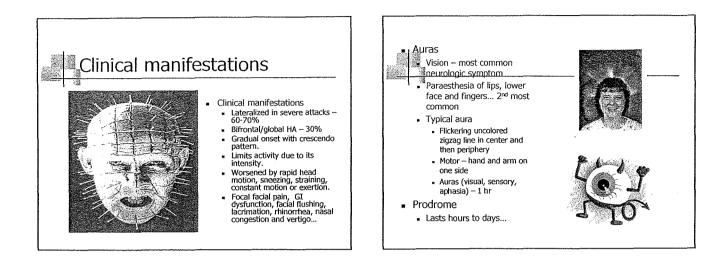


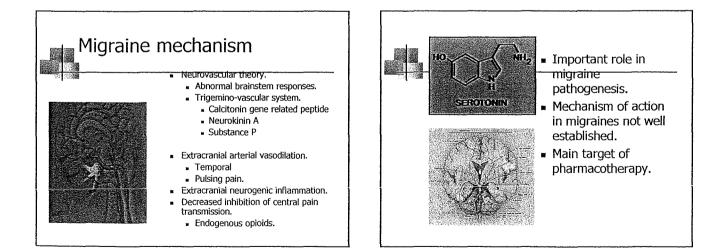


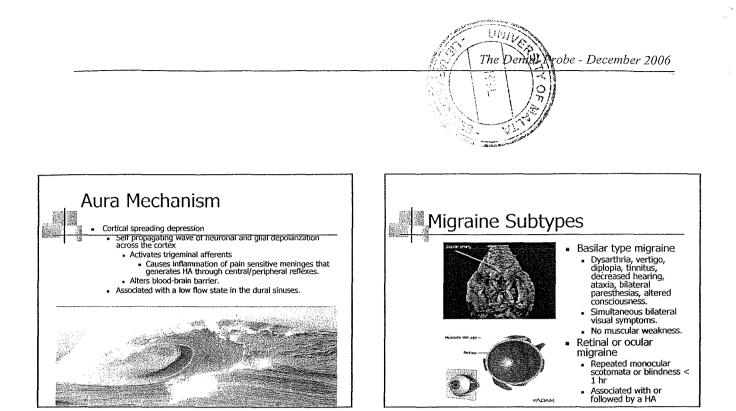


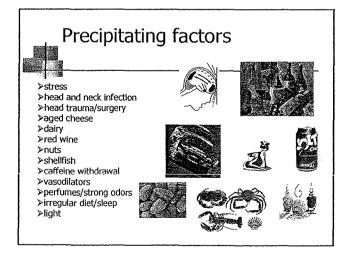


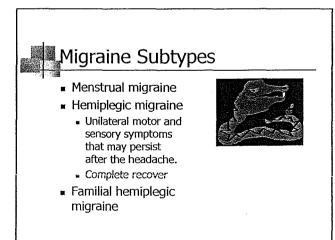
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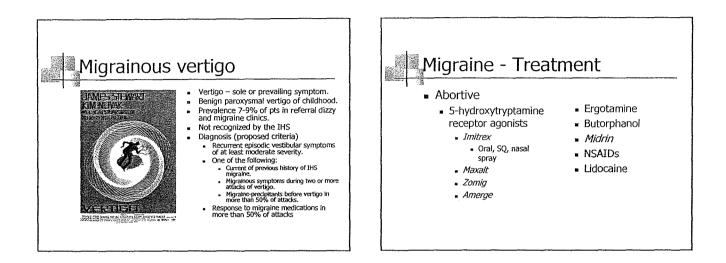


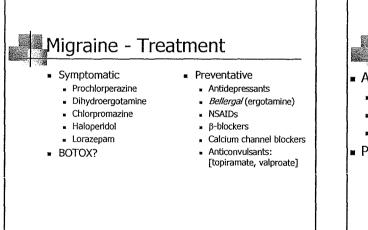


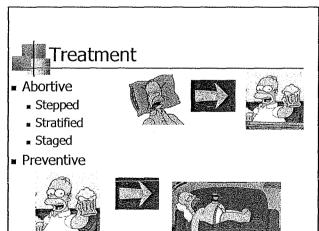


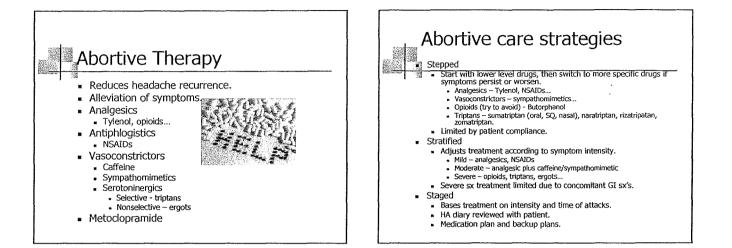


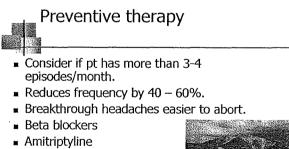






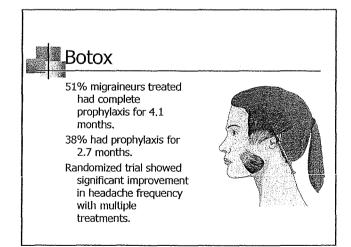


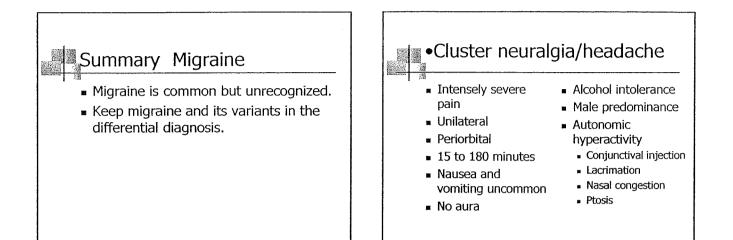


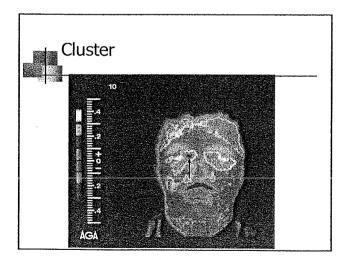


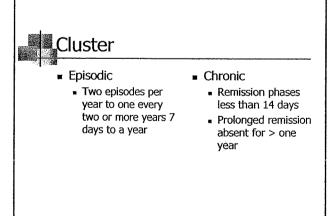
- Calcium channel blockers
- Anticonvulsants.
- Lifestyle modification.
- Biofeedback.



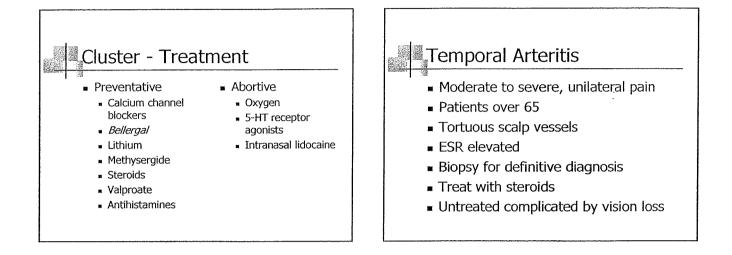








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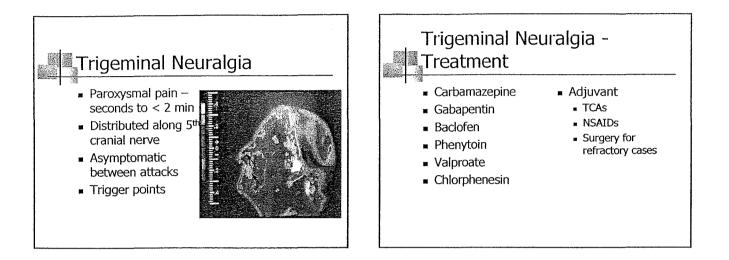


Chronic Daily Headache

- 6 days a week for 6 months
- Bilateral, frontal or occipital
- Non-throbbing
- Moderately severe
- Due to overuse of analgesics
- ? Transformation of migraine or TTH

CDH - Treatment

- Patient understanding
- Remove causative medication
- Avoid substitution
- Antidepressants
- Adjuvant therapy
- · ? Sedating anti-histamine
- Treatment of withdrawal

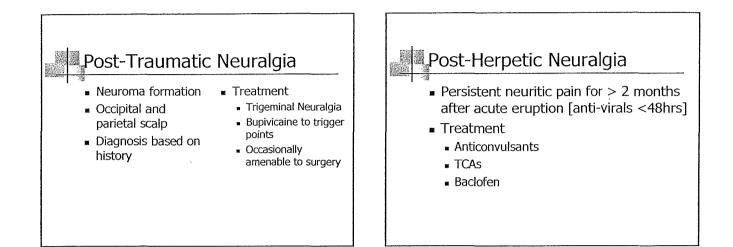


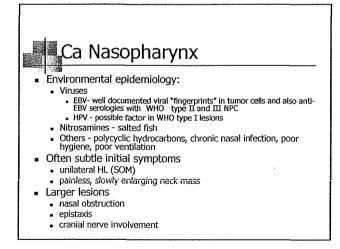
Glossopharyngeal Neuralgia

- Similar to Trigeminal Neuralgia
- Unilateral pain
 - Pharynx
 - Soft palate
 - Base of tongue
 - ∎ Ear
 - Mastoid
- Treatment as for Trigeminal Neuralgia



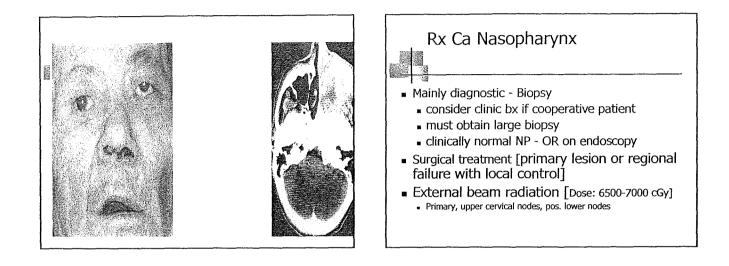
- Diagnosis of exclusion
- Psychogenic facial pain
- Location and description inconsistent
- Women, 30 50 years old
- Usually accompanies psychiatric diagnosis
- Treat with antidepressants





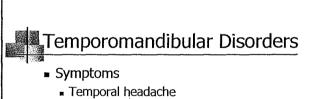


- Xerophthalmia greater sup. petrosal n
- Facial pain Trigeminal n.
- Diplopia CN VI
- Ophthalmoplegia CN III, IV, and VI
 cavernous sinus or superior orbital fissure
- Horner's syndrome cervical sympathetics
- CN's IX, X, XI, XII extensive skull base

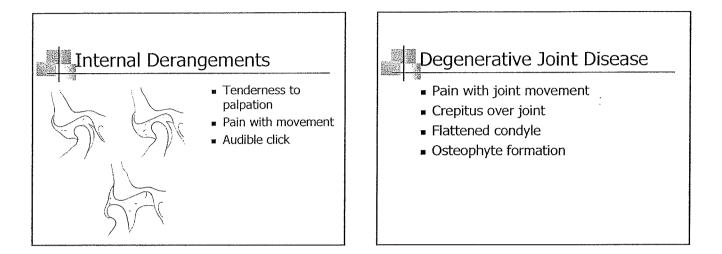


Prognosis External beam radiation - complications More severe when repeat treatments required Include xerostomia, tooth decay ETD - early (SOM), later (patulous ET) Endocrine disorders - hypopituitarism, hypothyroidism, hypothalamic dysfunction Soft tissue fibrosis including trismus Ophthalmologic problems Skull base necrosis

- 40% overall survival at 5 years Complete H&P, careful otologic, neurologic, cervical and NP exams Three WHO types all from NP epithelium Types II, III better prognosis, EBV assoc. Treatment is primarily XRT



- Earache
- Facial pain
- Trismus
- Joint noise
- 60% spontaneous

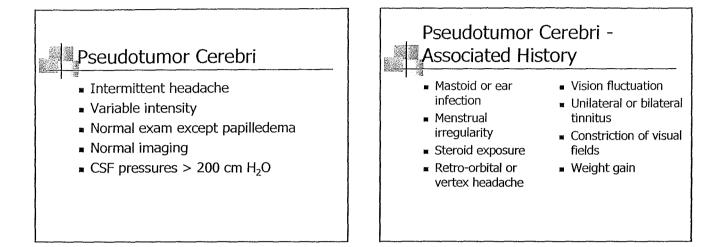


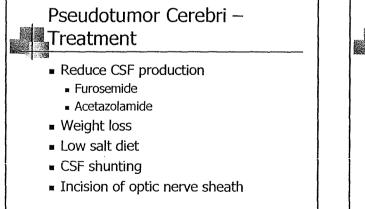
Myofascial Pain

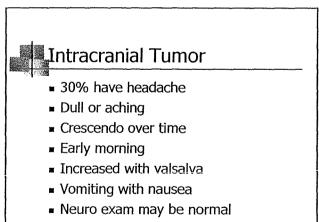
- Most common 60% 70%
- Muscle pain dominates
- Tenderness to palpation of masticatory muscles

TMD - Treatment

- NSAIDs
- Physical therapy
- Biofeedback
- Trigger point injection
- Benzodiazepines
- TCAs or SSRIs for chronic muscle pain







Subdural Hematoma

- History of trauma
- Fluctuating level of consciousness
- Pain lateralized
- Tenderness to percussion over hematoma
- Trauma may be remote in chronic SDH

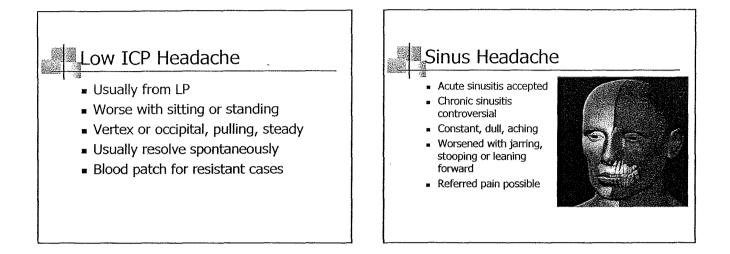
Subarachnoid Hemorrhage

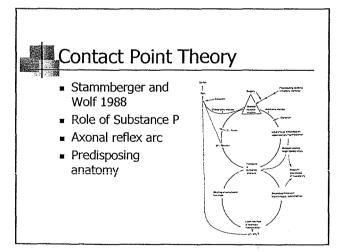
- Sudden onset, severe, generalized pain
- Nausea and vomiting
- Stiff neck progressing to back pain
- LP if imaging negative

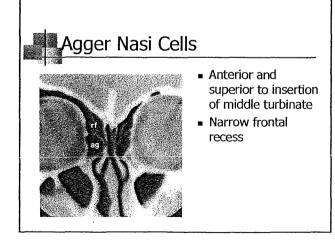
Meningitis Acute meningitis Fever Stiff neck Fungal Tuberculous Luetic Epidural abscess AIDS of CNS Sarcoidosis Diagnosis dependent on LP

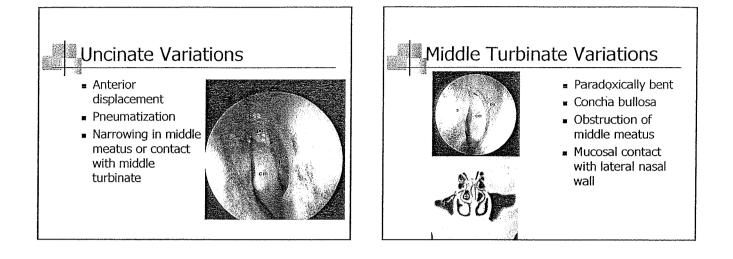
Hypertension

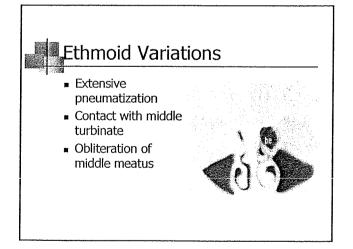
- Usually with diastolic pressures > 115 mm Hg
- Throbbing
- Nausea

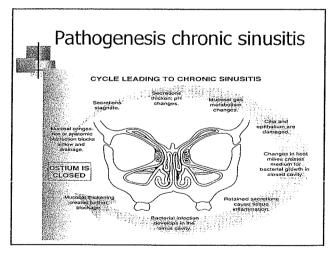


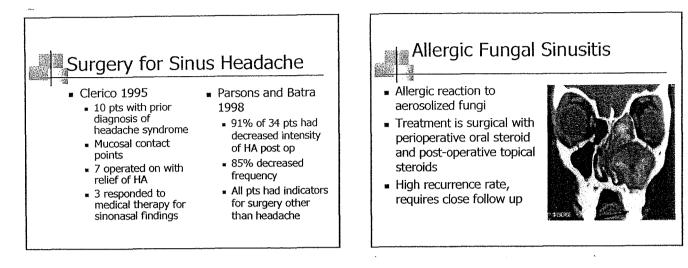






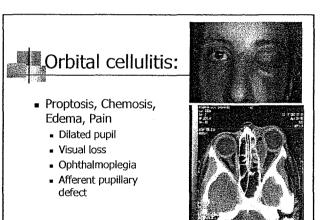






Surgery for Sinus Headache

- Headache as <u>SOLE</u> indication for sinus surgery still <u>unproven</u>
- Headache should improve with decongestant and topical anesthesia if good results are to be expected post op



Conclusion

 Headache & facial pain are common complaints

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- History most important in making accurate diagnosis
- Recognize psychological aspects of pain

FULL-FULL COPY DENTURES – A TECHNIQUE

This is an article based completely on hands-on experience. If you have a not so elderly patient, preferably male and not on antidepressants, whose dentures he is fairly happy with but have worn and slackened with the passage of time, then this article is for you.

You will require Kerr thermoplastic impression compound, fondly known as compo, and lightbodied silicone such as President (Both available from Bart Ent).

Examine the fitted surface of the dentures .Measure the freeway space. The opportunity is there to improve upon the denture. The areas one usually needs to modify are;

- 1. Posterior border of palate. You will need to get a good post dam or post dam area.
- 2. Upper buccal flange
- 3. Additions to posterior occlusion
- 4. Extensions to lower buccal flange.
- 5. Additions to incisal edge.
- 6. Hollowing of labial flange.

I usually first Vaseline the patients lips. Gloves cannot be worn. You will need to use warm wet fingers. I also dry the palate with a gauze and mark the fovea palatini with a marker pen. I sometimes use a drop of mixed dycal on each fovea.

Fill a bowl with very hot water, about 51degrees Celsius, and light your burner. Compo is great material. It is very hard and stable and will not distort. It has an unusual smell when heated, and is used in some dental hospitals to make rims for the try in stage instead of wax as the material is so strong .You can add to it, and you can peel layers off it with a Stanley knife.

Identify the areas on the dentures you want to modify. Very commonly the post dam area, retromolar pads and hamular notches are the ones to look for. Soften the compo stick in the water till it just starts to melt ,and then pass it over the flame, moulding a cone at the tip and then teasing it into the flame every few seconds till it is quite sticky. Mould the material around the denture periphery and build out the areas required by adding more and more layers of material incrementally.

On the lower one is looking for the S curve and a good buccal seal with clearly defined retromolar

pads.

On the upper you are excused for getting excited at the great squelch you will hear when the denture has been correctly extended to beyond post dam area, and the hamular notches. Pay attention also to the buccal seal. Mix the light-bodied silicone and load both dentures, plus the occlusal aspect of the lower denture. Place both dentures in the mouth and get the patient to close.

The fovea marks should come out in the impression. I will then mark the post dam line on the impression itself and the post-dam area I want the technician to score. This way the post dam is now under your control. Since you now have perfect impressions you should avail yourself of the opportunity of relining the old dentures and I usually get my technician to do so using same impressions.

With copy dentures you are retaining the features the patient is used to and also improving upon them The shade, mould and occlusion are all there. If you need to change the vertical dimensions then an Alma gauge is used. This is a device which is used to measure and visualize tooth positions threedimensionally. It records the incisal tip, using the position of the incisal papilla. It measures horizontal and vertical dimensions.

When the technician receives the impressions he will set about

- 1. Placing silicone putty into fitted surfaces.
- 2. Taking alginate impressions over the top.
- 3. When they have set dentures are removed.
- 4. Two holes are cut at the posterior tuberosities on each side.
- 5. Elastic bands are used to secure the two halves together.
- 6. Position so that the holes are facing upwards.
- 7. Pour in molten wax.
- 8. When cooled, separate the two halves.
- 9. Pour models into fitted surfaces, and create two models and articulate.
- 10. One at a time ,remove the wax teeth and replace with acrylic teeth.

At the try-in stage, if all is well, take a wash impression inside the wax try-in. The technician will then pour the models and finish. Upon fitting the expression "sal-gerzuma" will come up, but be careful not to overtrim. The mylohyoid and genial tubercle areas made need reduction, but you should have an excellent set.

Dr. David Muscat

PRESIDENT'S REPORT: CURRENT ISSUES UPDATE

Besides organising highly successful CPE events, DAM has been handling a number of issues mostly related to clinic licence regulations.

- Sewage permit: dentists were verbally requested to apply for a sewage permit regulating effluent. No formal request for sewage permits has been forwarded yet. Our brief is that no permit is required for domestic effluent. Effluent from dental clinics is no different from domestic effluent provided that amalgam has been separated and fixer and developer are collected and disposed of separately.
- Licence fee: DAM commissioned a legal study. The result of the study as forwarded by Dr Spiteri Bailey has been issued in a previous PROBE edition. We've had no further developments.
- Infection control: Two years back the Public Health Department (PHD) issued an enforcement notice on the use and expensive testing of vacuum autoclaves in dental clinics. DAM provided members with updated GUIDELINES on infection control. DAM organised a series of consultation meetings with interested members as well as with the Public Health Department. During talks with the Department, DAM held a firm stand based on the fact that our members are highly responsible, well informed professionals. In response the PHD has issued a brief that they are now shifting their emphasis, in that clinics should be in a position to provide documentation that autoclave cycles used are tested, certified, logged, numbered and above all appropriate for the nature and size of loads processed. A manufacturer's certificate will be required to verify the nature (wrapped/

unwrapped, solid/narrow lumen instruments) of the load which can be processed by a particular cyclc.

- B Class cycles: porous, wrapped and unwrapped load as per manufacturer certification.
- S Class cycles: wrapped/unwrapped load as per manufacturer certification.
- N Class cycles: unwrapped loads as per manufacturer certification.

So basically all that is now being requested is that dental practitioners are in a position to validate the adequacy of their current infection control facilities in line with *informed, responsible professional practice.*

Dr Martha Vella

AN UNUSUAL DOMICILARY VISIT

by Dr David Muscat

At her last visit Mrs. Grech implored me to visit her mother. It was rather urgent she said, as her mother was in pain. There was no question of her the coming over to the surgery, as she was too weak and never left the house. The Kappillan had also voiced his opinion that the dentist should visit her at home, as she was very frail. Well, I had a couple of hours after lunch on a Wednesday so off I went to Tona's house armed with my domicilary case and my stainless steel instrument box from my student days.

Tona had one tooth left, I was told, and it shouldn't be too difficult to extract.

"Haga ta'hames minuti", I was informed.

As I parked my car in the side street of the sleepy village along came a stray dog and relieved itself on my front wheel. Rather charming I thought-or a taste of things to come. I found the house easily enough, two doors from Grezzjus bakery. There were two barefoot children and a stray cat to greet me at the door.

"Wasal it-tabib", they cried, and several people looked out of their windows.

I rang the bell by pulling a long chord and was ushered into a downstairs bedroom by a sombre woman dressed completely in black who professed to be Maria, another of the patients' daughters. As I entered the dimly-lit room I was greeted by another relative Carmelina who escorted me to the bedside.

Tona was sitting upright, resplendent in her long white nightgown. Her hair was white and must have been over one metre in length. Her fingers and toes were bent almost at right angles-reminded me of a left-turn traffic sign.

Above her bed was an enormous picture of the Madonna with Child, perched precariously at about 45 degrees so that it towered over her. Above the head of the Madonna was a large gold crown, which was illuminated by small flickering light bulbs. I got Loretta to hold my torch, while I examined the tooth with a mirror.

Sure enough, to my horror and dismay, the tooth was a lower third molar-grossly carious and very firm. Explaining that I needed a radiograph and that this may end up as a surgical fell on deaf ears. Tona was crippled by arthritis, and besides; "Alla baghtek u ma tistax thalliha hekk".

So, I gave the anaesthetic .I felt the gaze of the Madonna as well as the piercing green eyes of all the sisters .Every move of mine was being scrutinised. Yes. You guessed it! The tooth fractured during the extraction. Loretta held the torch. Maria held the kidney dish below Tona's chin and Carmelina knelt at the foot of the bed and started reciting the Rosary aloud. After half an hour of elevation and luxation, and a bit of elbow grease, Carmelina's prayers paid off.

Tona's blood had however splattered all over my trousers and shirt, but I had extracted the tooth and an enormous sense of relief swept the room. I was blessed several times and various Saints were mentioned. I suppose that for that hour I was a sort of hero.

I had to wait about another half an hour for haemostasis, and than felt obliged to have some Maltese tea with cloves, and qaghaq tal-ghasel in the kitchen afterwards with their dog snapping at my heels. The radio in the background played some melancholy music as the names of the people who died that day were announced.

I got fifteen liri for my troubles. "Kemm tiehu ghali" I was told.

I left the house with both a sense of fulfilment and a flea in my ear. When I got to my car I found a parking ticket on my windscreen- I was parked on a faint yellow line. Then it started to rain heavily and I got drenched. I got into my car and thundered off home.

The names of the characters have been changed but the story is real

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EU DESK UPDATE AUGUST 2006

Commission launches consultation on EU framework for health services

The Commission has today launched a public consultation on an EU framework for health services. The consultation, which will run until 31 January 2007, will seek the views of stakeholders - certainly including the dental profession - on how best to deal with crossborder health services, including patient mobility and healthcare professional mobility. The Commission's plans for the health sector will also cover ways of encouraging cooperation between different national health systems: sharing best practice and creating networks of centres of reference. The EU framework will be very much in focus in the debates at this year's European Health Forum Gastein, which takes place 4-7 October and which members of the CED Brussels office will attend.

Medical Devices Directive – ENVI committee votes on 4 October

The European Parliament's ENVI Committee will adopt its report on the Commission's proposed revision of the Medical Devices Directives on 4 October. The rapporteur, Thomas Ulmer (EPP/DE), has included two amendments proposed by the CED in his draft report. These amendments propose a deletion of the introduction of validation procedures for software contained in medical devices, as well as of a complex post-market surveillance system for custom-made devices. However, the rapporteur has withdrawn an important amendment designed to avoid a patient being named on the declaration of conformity that accompanies a custom-made device..

Amalgam – CED advises COM on health risks of amalgam and alternatives

The working group on amalgam has written to the Commission to give an overview of the health risks posed by amalgam and by

materials used as alternatives to amalgam, such as resin-based composites. The letter emphasises that the overwhelming body of scientific evidence does not support any link between amalgam and the diverse health claims made against amalgam: e.g. neurological disorders and "amalgam illness". In respect of alternative materials, the letter stresses that they have undergone much less research than amalgam. and that concerning risks have been identified, e.g. allergic reactions (it is estimated that approx. 2% of dentists suffer from contact dermatitis with respect to composites), and estrogenicity and cytotoxicity. However, the CED letter concludes that there is a place and requirement for a variety of materials in the dentist's armoury in order to meet the needs of patients, and this includes amalgam. The letter was written on the request of the Commission for more information on the potential health risks of amalgam and alternatives. Susie Sanderson and Klaas-Jan Bakker - also member of WG Amalgam - met the responsible Commission official on 13 September to present and explain the letter. The CED will remain closely in touch with the Commission, on the health aspect of the amalgam debate, but also on the environmental aspect. On 26-27 October, the Commission is hosting an international mercury conference in Brussels on "how to reduce mercury supply and demand". Whilst the issue of amalgam is not explicitly on the agenda, Commission officials have noted that it is very likely that the issue of amalgam will be discussed.

Future Events

4-7 October European Health Forum Gastein, Austria

25 October High Level Committee on Health

26-27 October International mercury conference, Brussels

15 November CED General Meeting, Brussels

Dr.Audrey Camilleri, EU Liaison Officer



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