Wisdom Teeth and other Dental Extractions
Dental Implants
Orthognathic (Jaw) Surgery
Facial Trauma and Reconstructive Surgery
Facial Cosmetic Surgery and Implants
Sleeping and Sleep Apnea
Oral Pathology / Oral Medicine
Pre-Prosthetic Surgery

Member:AMA,ADA,AAOMS,ABOMS Diplomate

Glossary

Anterior-Posterior - Front-back
Class I - Normal relationship of teeth
Class II - Distal (posterior) relationship of mandibular teeth to maxillary teeth. (An overbite or buck teeth)
Class III - Underbite, like a Bulldog
Genioplasty - Chin surgery
Hypoplasia - Under development of tissue
Hyperplasia - Over development of tissue
Malar - Cheekbone or Zygoma
Mandibula - Lower jaw
Maxillary - Upper jaw
Microgenia - Small chin
Rhinoplasty - Nose surgery
Rhytid - Wrinkle
Septoplasty - Nasal Septum surgery
Transverse - Across the body from right to left
Vertical - Up-down
VME - Maxillary Vertical Hyperplasia
ORTHOGNATHIC SURGERY
BEFORE & AFTER

Diagnosis: Class III malocclusion (underbite) mandibular hyperplasia (overgrowth) maxillary (upper jaw) hypoplasia (undergrowth)

Procedure: Rhinoplasty, upper jaw, lower jaw reconstructive surgery, mandibular setback maxillary advancement and widening

Pre-operative lateral cephalogram
Post-operative lateral cephalogram

-CONTINUED-
Orthognathic Surgery
Before & After

Diagnosis: Class III malocclusion (underbite), maxillary anterior-posterior hypoplasia, mandibular hyperplasia

Procedure: Upper jaw, lower jaw reconstructive surgery

She did not have any cosmetic procedures done at all.

Note how putting the jaws in the correct orientation brings out her natural beauty.

CONTINUED
The cephalometric analysis and treatment plan for this surgery
(Upper jaw advancement lower jaw setback)
Genioplasty (chin) not done

Pre-operative panoramic x-ray

Post-operative panoramic x-ray
Orthognathic Surgery
Before & After

Diagnosis: Vertical maxillary excess (gummy smile), class II malocclusion (overbite), mandibular hypoplasia microgenia, malar hypoplasia

Procedure: Septoplasty, genioplasty, cheek bone implants, upper jaw, lower jaw reconstructive surgery
Orthognathic Surgery
Before & After

Diagnosis: Class II malocclusion (overbite), maxillary vertical hyperplasia, vertical maxillary excess (gummy smile), mandibular hypoplasia, nasal dorsal hump

Procedure: Rhinoplasty, upper jaw, lower jaw reconstructive surgery

Pre-operative lateral cephalogram
Post-operative lateral cephalogram

-CONTINUED-
Orthognathic Surgery
Before & After

Diagnosis: Class II malocclusion (overbite), mandibular hypoplasia, nasal dorsal hump
Procedure: Rhinoplasty, upper jaw, lower jaw reconstructive surgery
Orthognathic Surgery
Before & After

Diagnosis: Anterior open bite, maxillary transverse and anterior-posterior hypoplasia
Procedure: Septoplasty, upper jaw, lower jaw reconstructive surgery
Orthognathic Surgery
Before & After

Yes, that was her normal bite. No, she's not doing that on purpose.

Diagnosis: Lower jaw asymmetry, vertical maxillary excess (gummy smile)
Procedure: Upper jaw, lower jaw reconstructive surgery

-CONTINUED-
Orthognathic Surgery Before & After

Diagnosis: Class II malocclusion maxillary hypoplasia, mandibular hypoplasia, malar hypoplasia
Procedure: Upper jaw, lower jaw reconstructive surgery, cheek bone implants

Orthognathic Surgery Before & After

Diagnosis: Class III malocclusion (underbite), mandibular hyperplasia, maxillary hypoplasia, malar hypoplasia
Procedure: Upper jaw, lower jaw reconstructive surgery, cheek bone implants
Diagnosis: Cleft lip and palate, asymmetry of upper jaw, maxillary anterior-posterior transverse and vertical hypoplasia, class III malocclusion (underbite).

Procedure: Rhinoplasty, upper jaw, lower jaw reconstructive surgery via distraction osteogenesis with an internal maxillary distractor.

Distraction Osteogenesis
Phase I
Before & After
**Orthognathic with Cheek Implants Before & After**

**Diagnosis:** Class III malocclusion (underbite), maxillary anterior-posterior hypoplasia, malar hypoplasia

**Procedure:** Cheek bone implants, upper jaw advancement, lower jaw setback reconstructive surgery

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**Cosmetic Before & After**

**Diagnosis:** Sun damaged skin, cutis laxis (loose skin), excess submental fat

**Procedure:** Blepharoplasty, laser resurfacing, rhytidectomy (face lift), submental liposuction
Diagnosis: Sun damaged skin
Procedure: Laser resurfacing - 48 year old female
Note the reduction in fine rhytids (wrinkles) in the after photo. No retouching of photos have been done. Note the reduction in discolorations, and note the improved sun damaged lower lip.

Diagnosis: Acne scars
Procedure: Laser resurfacing (acne scars)

Diagnosis: Acne scars
Procedure: Laser resurfacing (acne scars)
Diagnosis: Nasal dorsal hump
Procedure: Rhinoplasty (nose)
**Otoplasty (ears) Before & After**

Diagnosis: Lop ear deformity (outstanding ear)

Procedure: Antihelical fold creation and conchal bowl plasty and set back

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**Ear Implants Before & After**

Diagnosis: Missing ear with failed graft reconstruction by other surgeon

Procedure: Placement of (3) cranial implants for magnetic prosthesis retention and plastic surgical preparation of site for optimum contours for transition to prosthesis
Exposure and Litigation Before & After

Wisdom Teeth

Timing for wisdom teeth extractions is based on:
1. Root formation
2. Position of tooth
3. Age of patient

Recommendations: Have a panoramic x-ray taken at about 15 years old.

Diagnosis: Impacted canines

Procedure: Exposure of impacted teeth and placement of brackets with chains for orthodontic forced eruption of teeth.
Wisdom Teeth: Impacted Third Molars

Horizontal impaction of lower wisdom teeth

Post-extraction

Implants
Implants

3-D Computer planning and CAD/CAM creation of surgical guides
**Implants**

Note how implants can be accurately placed into proper position utilizing the minimal bone available in this patient without entering the sinus cavity.

**Implants
Noble Guided Implants for an “All on Four” (Teeth in an Hour)**

**Procedure**: Nobel guide

**Diagnosis**: Edentulous (no teeth) Maxilla (upper jaw). Denture has poor retention. Bone loss, severe secondary to combination syndrome (teeth on bottom against denture on top)

**Procedure**: Computer Guided All-On-Four, Teeth-In-An-Hour

3-D Computer aided guide creation
Final prosthesis in mouth same day as surgery

Computer CAD/CAM guide

Bite registration to lower teeth

Final prosthesis on model

Cross section of 3-D x-ray planning

Final prosthesis in mouth same day as surgery
Implant supported dentures with "zest" buttons.
Mini Implants

Continued

Mini implant supported dentures
Orthodontic Distraction Before & After

Single tooth segment osteotomies
Tooth is ankylosed (fused to bone) and won't come down with just braces
Warning: The following pages contain graphic images of trauma cases.
T R A U M A
B E F O R E & A F T E R

3-month post-operative

2-week post-operative

2-month post-operative
Trauma Before & After

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