

A scenic landscape photograph featuring a building with a prominent bell tower, likely a church or historical structure, nestled among tall, slender cypress trees. The scene is set against a backdrop of rolling hills and a clear sky. The text is overlaid on the right side of the image.

# Fixed Implants vs. Overdenture

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# Today's topic

Part 1. Fixed Implants vs. Overdenture

Part 2. Denture making

- Easy technique
- Occlusion

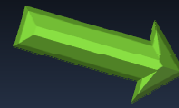
Part 3. Attachments & Solutions

- Bar vs. Stud type or Magnets

Part 4 . Lab. – video & practice



# Fixed Implants vs. Overdenture



# Implant overdenture advantages over complete denture

- Min. ant. bone loss
- Improve
  - Stability
  - Retention
  - Support
  - Speech
- Reduced prosthesis size



# Implant overdenture adv. over Fixed prosthesis

- Fewer implants
- Improved esthetics – labial flange
- Hygiene
- Reduced stress
- Lower cost



# Bone loss in an Implant retained overdenture wearer (tissue supported)

- Bone resorption : Posterior > Anterior region
  - I. retained > I. supported
  - I. retained > complete denture



\*\* Post. bone resorption is 2~3 times faster than in a complete denture wearer. \*\*\*

# Overdenture disadvantages (general)

- Psychological
- Greater abutment crown height space
- Bone loss & food impaction
- Long term maintenance
  - Attachments (change)
  - Relines
  - New prosthesis every 7 years





# Bar attachment (vs.Stud type)

- Pros

- Stable (support or retained)
- Angled Implant placement



- Cons

- Vertical height (12mm+ : soft tissue~occ.plane)
- Hygiene control
- Difficult to make & repair



# Within-subject comparisons of implant-supported mandibular prosthesis

- Fixed : Stability > chewing ability
- Overdenture : Ease of cleansing > esthetics  
A tendency by older subjects ( +50 years)

J.S.Feine et al, J Dent Res,1994

# Various options depend on

- Pt's esthetic needs
- Pt's financial status
- Pt's systemic condition
- Pt's age
- Dr's ability



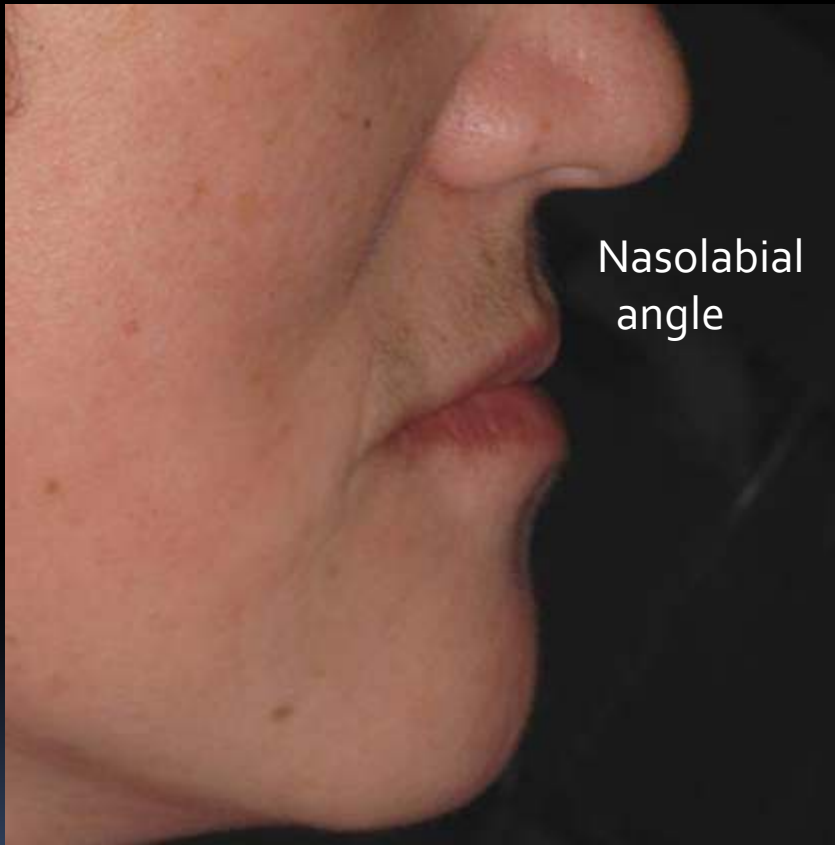
A Magical tool of  
determining the correct  
choice?



# Temporary denture

- Temporary denture during healing period
- If OK -> bone loss is severe  
Tx.option : Overdenture
- Looks more protruded or bulky  
: bone is OK  
-> fixed type implant

# Upper full denture Lower fixed implants

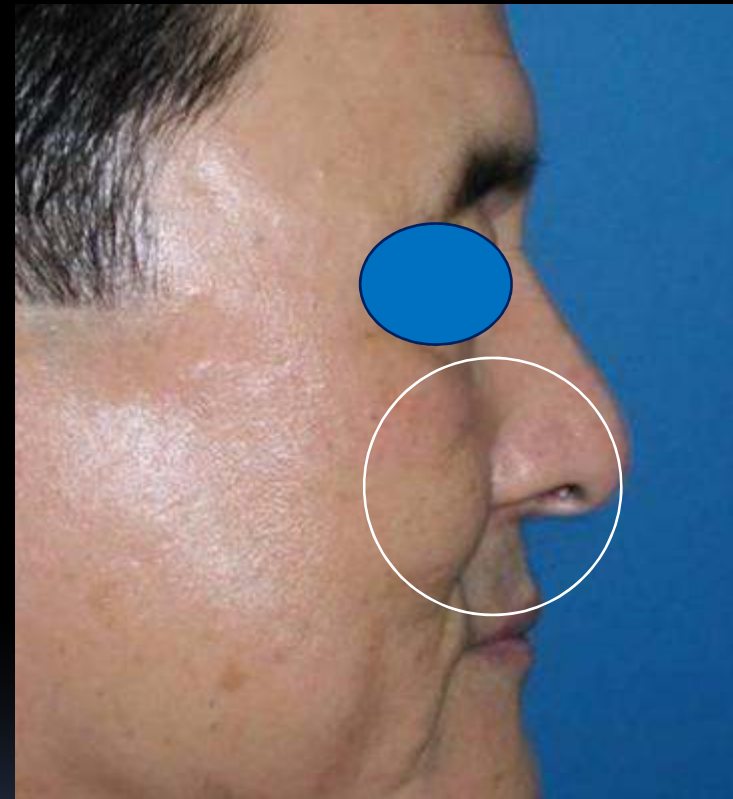


Without upper full denture



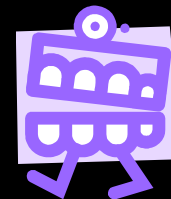
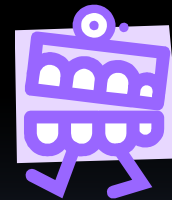
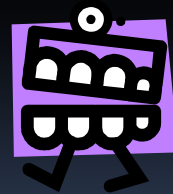
With upper full denture

# Upper & lower fixed type implant prosthesis



Wrinkles can be predicted  
in a fixed type implant prosthesis

# Overdenture cases





- Old Age ?
- Esthetic ?
- Systemic condition
- Poor ridge



# Age

- Least invasive
- Easy removal



# Case 1

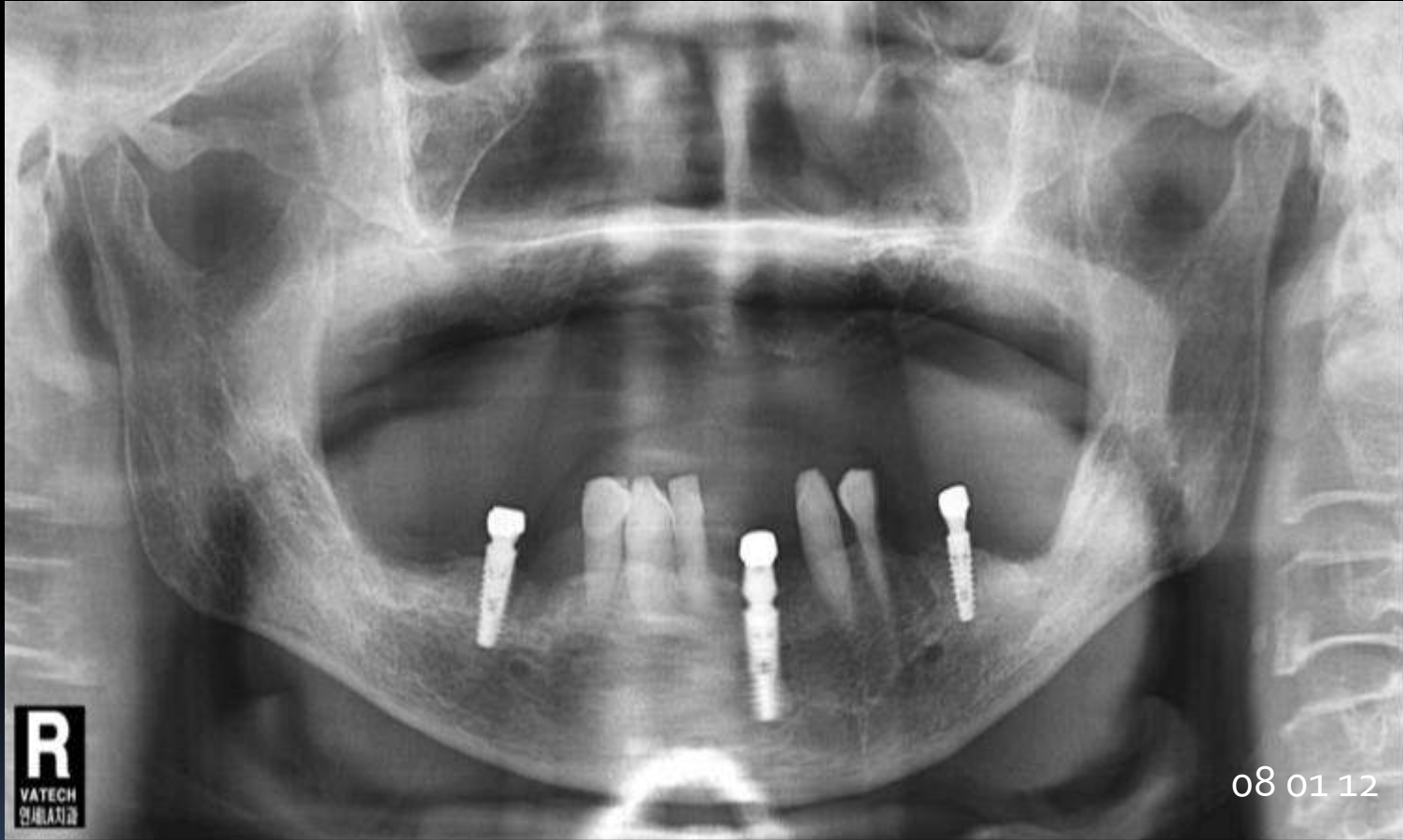
- 93yr old female, Class III





07 08 25







3 magnets over the implants







# Esthetic

- Depends on the patients “not by a dentist”
- Related to “Wrinkles”



## Case2

- 60 yr old female, Class III







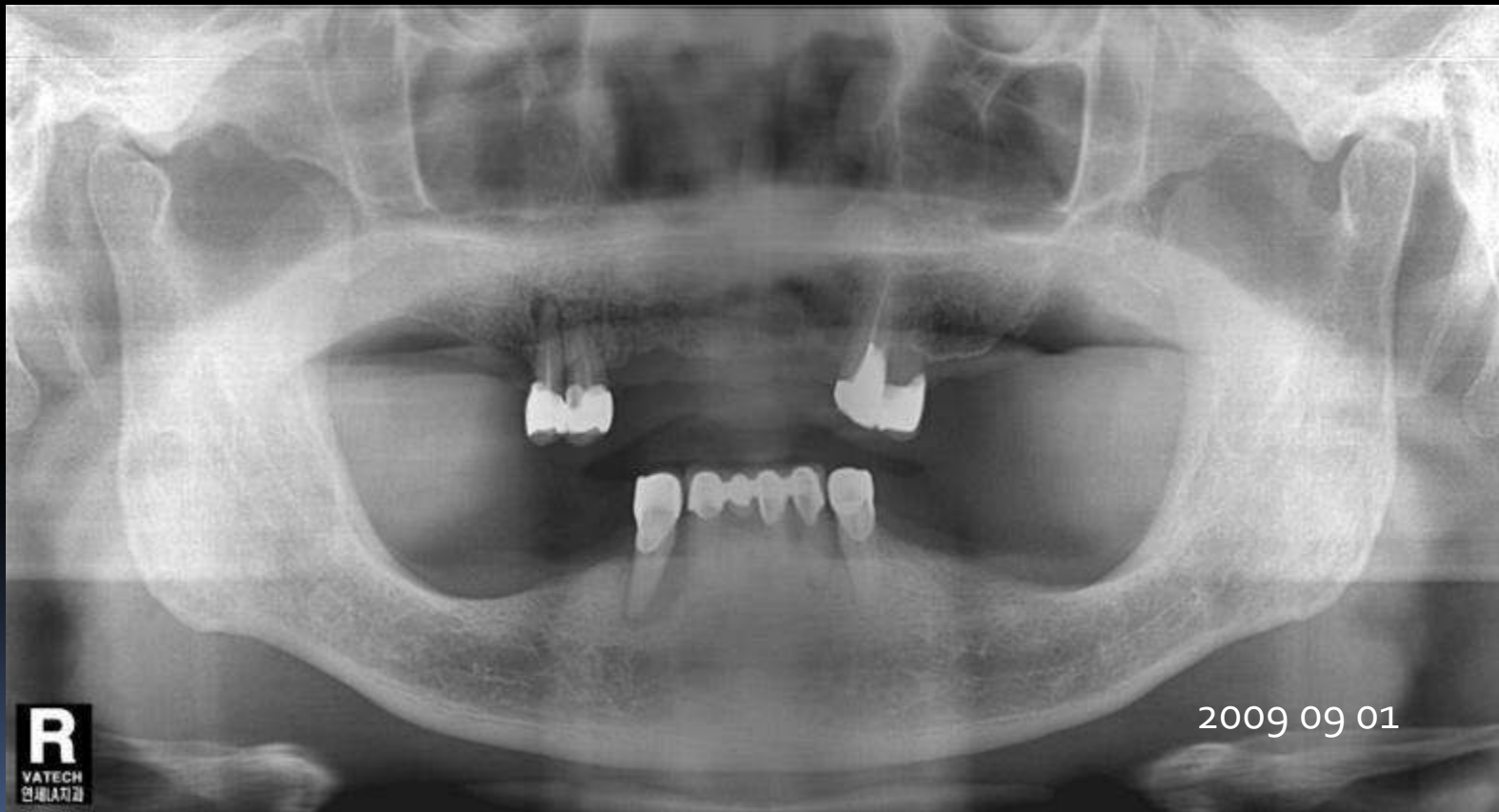
\*Overdenture => Implant fixed Bridge => Overdenture

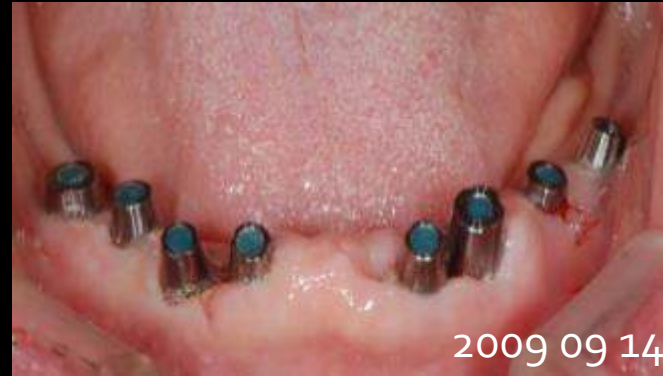
Fixed : uncomfortable , wrinkle

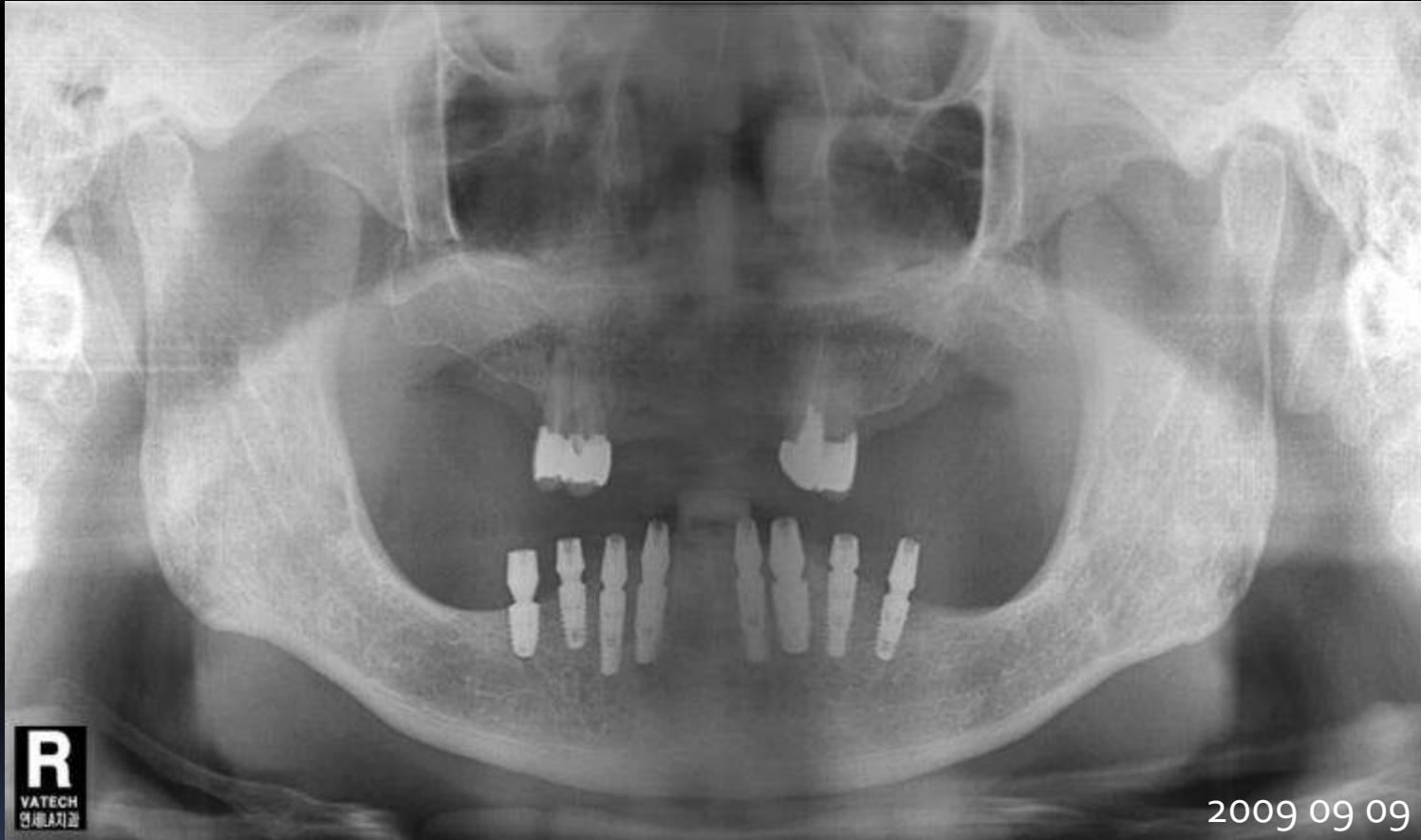
Overdenture : removable, however comfortable

# Case 3

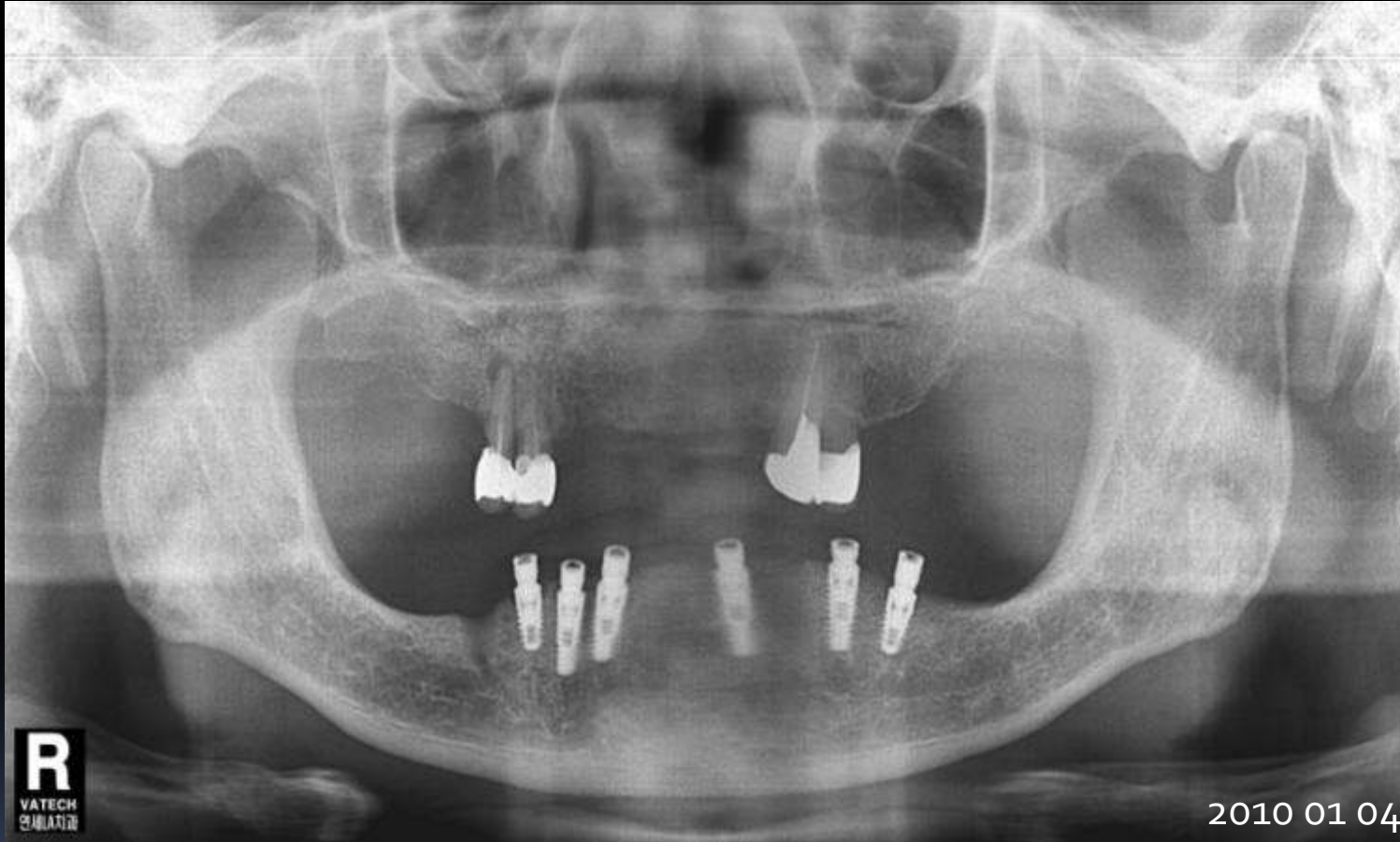
- 60 yr old man , Systemic condition











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# Case 4

- 70 yr old female , Poor ridge

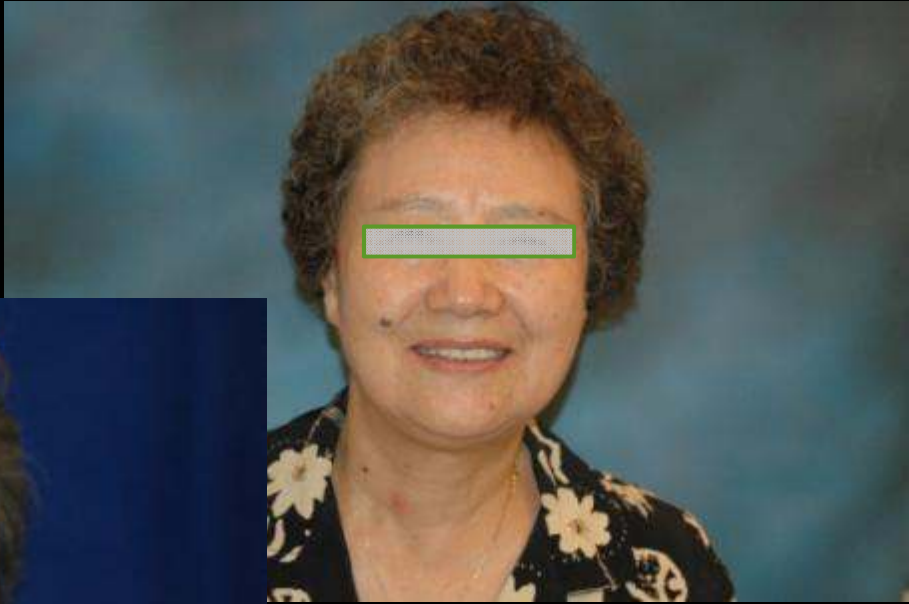
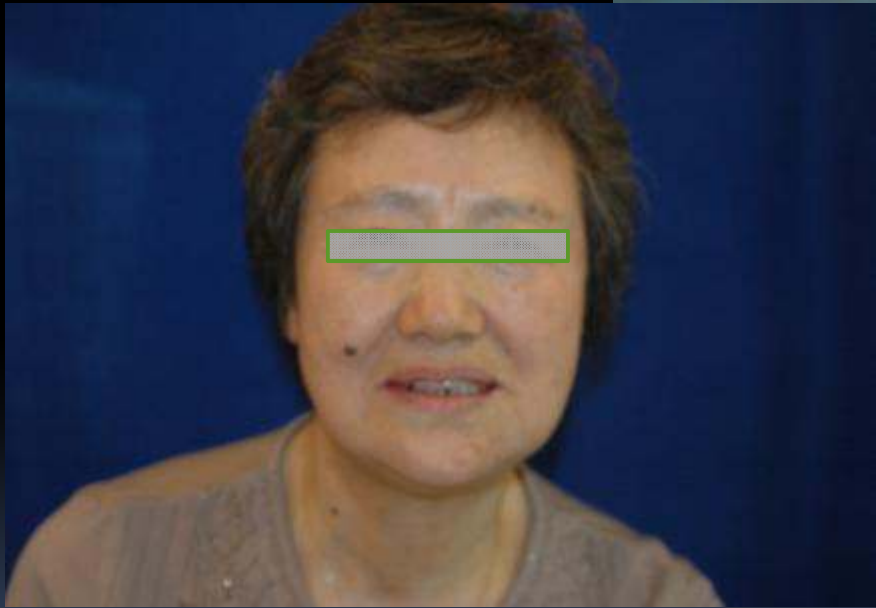


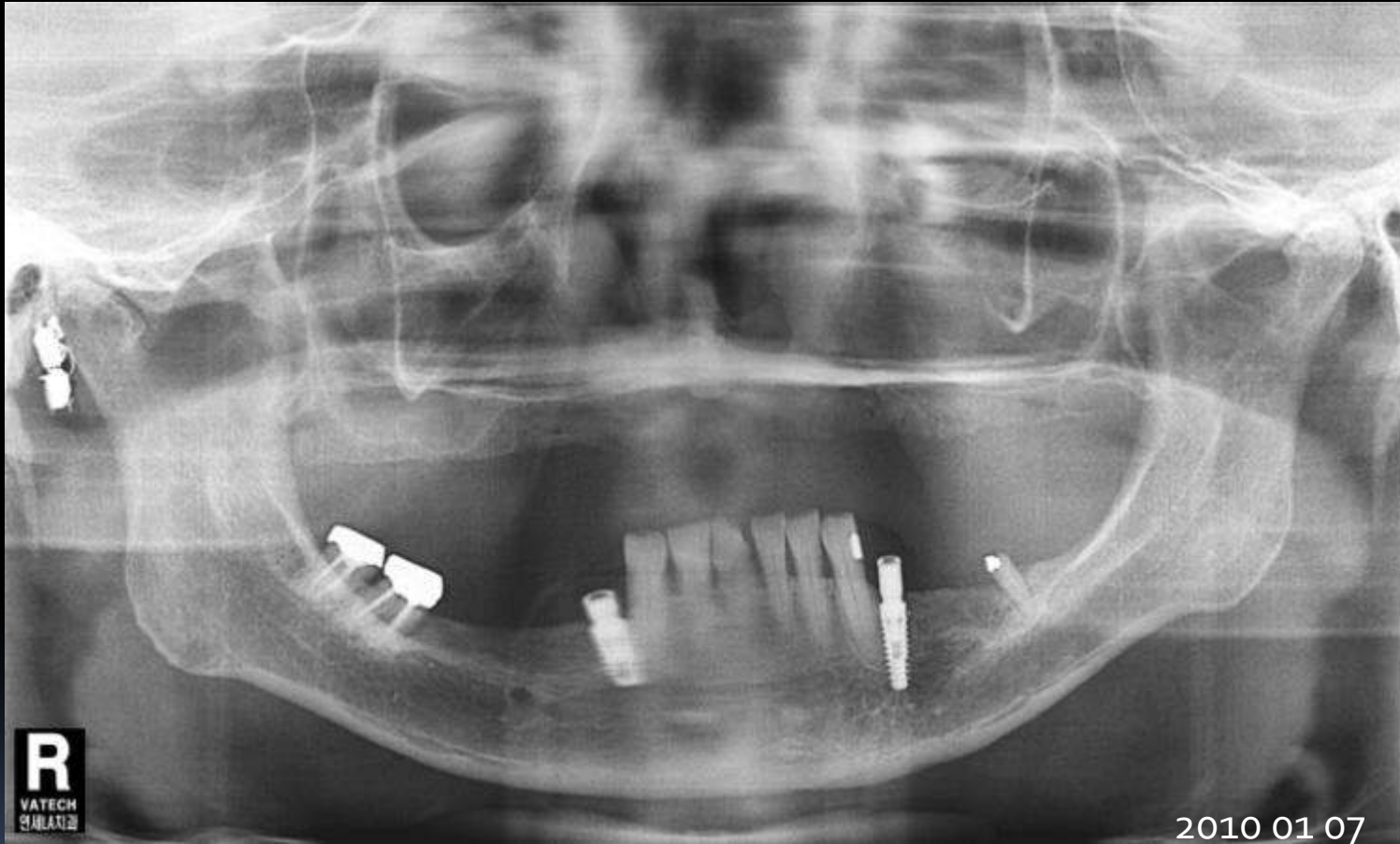




7 months later after delivery







7 months later after delivery