

Presorted  
Standard  
U.S. Postage  
PAID  
Ann Arbor, MI  
Permit No. 144

### Funded by

NIH/NIDCR Grant # 5R25 DE015350-02



### Developed by:

University of Michigan

School of Dentistry

Office of Dental Informatics

1011 N. University Room B310

Ann Arbor MI 48109-1078

[www.dent.umich.edu/informatics](http://www.dent.umich.edu/informatics)

### Contact information:

(734) 615-7388

[healtheducation@umich.edu](mailto:healtheducation@umich.edu)



University of Michigan  
School of Dentistry  
1011 N. University  
Room B310  
Ann Arbor MI 48109-1078

HEALTH  
Health Education  
Through Active  
Learning

# HEALTH

HEALTH EDUCATION  
THROUGH ACTIVE  
LEARNING



<http://health.dent.umich.edu>



Notepad Patient Info Exams & Tests Problem List Diff. Diagnoses Re

### Ginny and Valerie - Family History



Two sisters (ages 8 and 5) are here with their mother. The girls have sharp, small, sensitive

Case Author(s): Jan C-C. Hu, BDS PhD and James P. Simmer, DDS, PhD

Ginny's Dental Chart

**DENTAL EXAMINATION (in pencil)**

**SOFT TISSUES:** Extra-oral: ☐ Intra-oral: ☐

**ORTHODONTICS:**

Occlusion in CR: Skeletal: ☐ 3 Dental: Molar (R) ☐ 2 3 Carine (R) ☐ 2 3 Molar (L) ☐ 2 3 Carine (L) ☐ 2 3

Max. Mand. ☐ Consistent ☐ Right ☐ Left ☐

Crossbite in CR: ☐ Ant ☐ Post ☐ (R) ☐ (L)

Description: ☐ None ☐ AP ☐ Lateral

CR—CO Shift: ☐ None ☐ AP ☐ Lateral

Incisor Relations: ☐ I-C ☐ O-C ☐ 12 mm ☐ 14 mm ☐ 16 mm ☐ 18 mm

Habits: ☐ Yes ☒ No

Describe: ☐ TMJ ☐ VNL ☐ Other

Orthodontic Plan: ☐

Oral Hygiene: ☐ Poor ☐ Fair ☒ Good

Plaque Score: ☐ 0 ☐ 1 ☐ 2 ☐ 3 ☐ 4

Clinical Watches: ☐

A. Radiographic Survey: Chronological Age ☐ 8 yrs Estimated Dental Age ☐ 8 yrs

D. Radiographic Findings: 1. Caries Rt ☐ Lt ☐ 2. Watches ☐

Find Question

**Questions by Category:**

- Chief Complaint
- Medical History
- Dental History
- Family History
  - Do any other immediate family members have a similar condition?
  - Does your husband's father (the girls' grandfather) have teeth that looked like his?
  - Does your husband have any siblings (the girl's aunts or uncles) and are they affected?
  - Are there any cousins of the girls that have similar teeth?
  - Does your husband have any extended family (cousins) that are similarly affected?
- Treatment Planning

Patient Info Exam and Tests Resources

Radiographs Clinical Photos Dental Exam and Chart Genetic Tests

Mackenzie's photos, click a photo to enlarge it.



Case Report

es below.

## Features

- Interactive web-based format: collaborate and communicate with other members in your study group.
- Real patient data to help with diagnostic and treatment plans.
- Comprehensive diagnosis tools: x-rays, medical and dental charts, pedigree, etc.
- Evidence-based approach.
- Case reports from dentists who are also experts in genetics.

## Benefits

Developed at the University of Michigan School of Dentistry with help from genetics experts from our school and from across the country, the primary goals are to teach genetics to dental and dental hygiene students and improve their decision-making by applying scientific evidence during patient care. By completing Web-based cases students will also increase their understanding of genetics, genome technology and their ethical, legal and social implications for oral health care providers.

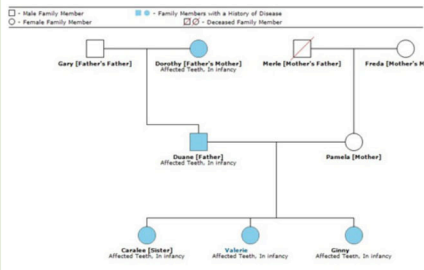
Pedigree Chart

Click on the next question in the list or the pedigree chart to research the family history

Reset Chart

- Do the children have any siblings with a similar condition? - Yes, their younger sister has similar teeth.
- Do either of the child's parents have a similar condition? - Yes, their father has similar teeth problems.
- What about the children's grandparents? - Yes, their paternal grandmother was similarly affected.
- What about the aunts, uncles and cousins?

☐ Male Family Member ☒ Female Family Member ☐ Family Members with a History of Disease ☐ Deceased Family Member



## Web Browser Requirements

- Acrobat Reader
- Firefox 1.5 or above
- Internet Explorer 6 or above
- QuickTime 6.0 or above
- Safari 2.0