

ECHO

Evaluation Center on HIV & Oral Health



Case Study #1

Kaposi Sarcoma

J. Kazimiroff, BS, DDS, MS

FAGD, FACD, Cert.Ed

K. Alvarado, DMD

Montefiore Medical Center

The University Hospital of Albert Einstein

College of Medicine of Yeshiva University

Department of Dentistry

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For additional information regarding the ECHO project go to www.hdwg.org/echo.

Patient Information

- Age at time of Diagnosis: 21 years
- Gender: Male
- Race: African American
- Chief complaint: “My gum is sore.”

Medical History

- **Diseases and conditions:**
 - HIV+ due to HIV-1, RF=MSM
 - Dx 3/05, CD4 85, VL < 75 on HAART
 - Lymphadenopathy
- **Medications:**
 - Spectazole™ (Econazole Nitrate, Ortho-Menial Pharmaceutical, Inc.)
 - Peridex™ (Chlorhexidine rinse, 3M ESPE)
 - Zithromax™ (Azithromycin, Pfizer US Pharmaceuticals)
 - Dapsone™ (Diamino Diphenyl Sulfone, Generic)
 - Reyataz™ (Atazanavir, Bristol-Meyers Squibb, USA)
 - Norvir™ (Ritonavir, Abbott Laboratories)
 - Epzicom™ (Abacavir Sulfate Lamivudine, Glaxosmithkline)
 - Ensure™ (Abbott Laboratories)
- **Allergies:** NKA

Pre-Op Labs

- Glucose 73 70-115 uL
- RBC 4.71 395-1494 /uL
- Hemoglobin 13.9 low 14-17.4 g/dL
- Hematocrit 40.2 36-45.0 %
- Platelet-Count 194 low 150-400.0 k/uL
- WBC 3.3 low 4.8-10.8 k/uL
- GRANULOCYTE 58% 40-70 %
- CD4+T_{help} cells (uL) 177 low 395-1495 /uL

- Viral Load: HIV-1 RNA (bDNA-HIV) <75

Oral Health History

- **Oral hygiene:** Fair
- **Habits:** None
- **Previous dental treatment:** Routine dental care
- **Adverse dental experiences:** None reported

Social Considerations

- **Psychosocial issues:**

Medical complications

Fear of the unknown (new provider)

Shy, introverted, sensitive about medical status.

Clinical/Radiological Findings

- Pre-treatment clinical photo



Clinical/Radiological Findings

- Pre-treatment radiographs



Clinical/Radiological Findings

- Clinically, the lesion manifested itself as an inflamed hyperplastic looking tissue around Teeth #17 and #18.

Note: It could have easily been mistaken for acute gingival inflammatory conditions such as pericoronitis, ANUG or trauma due to UL wisdom tooth.

- Panoramic X-ray indicated impacted 3rd molar on LL side.

CC: “My gum is sore.”

- First line observation of clinical manifestation (We did not recognized lesion as KS)
- Referral to oral surgery for extraction of tooth
- Histopathology performed at time of extraction

Diagnosis

- Kaposi Sarcoma

Treatment plans

- **Phase I:**

OHI, Oral Prophylaxis with SRP of UR and LR quadrants

Extractions of Teeth #1, 16, 17, 32

- **Phase II:**

Restorations on teeth #2, 3, 9, 14, 15, 18, 19, 30 and 31

- **Phase III:** n/a

- **Phase IV:**

Recall and Preventative maintenance

Clinical/Radiological Findings

- Post-treatment radiographs:



Post Op Labs: 2/4/2010

- Glucose 75 70-115 mg/dL
- RBC 4.92 395-1494 /uL
- Hemoglobin 14.1 14-17.4 g/dL
- Hematocrit 41.8% 36-45.0 %
- Platelet-Count 237 150-400.0 k/uL
- WBC 5.4 4.8-10.8 k/uL
- GRANULOCYTE 57% 40-70 %
- CD4+T_{help} cells (uL) 242 low 395-1495 /uL

- Viral Load: HIV-1 RNA (bDNA-HIV) <75

Patient follow-up/notes

(What was significant regarding access and retention into care?)

- AIDS due to HIV-1
- Recurrence of Kaposi Sarcoma in inguinal lymph node confirmed by biopsy.
- Post operative and re-call follow up at 6 months and 1 year.
- Management of medical status.