

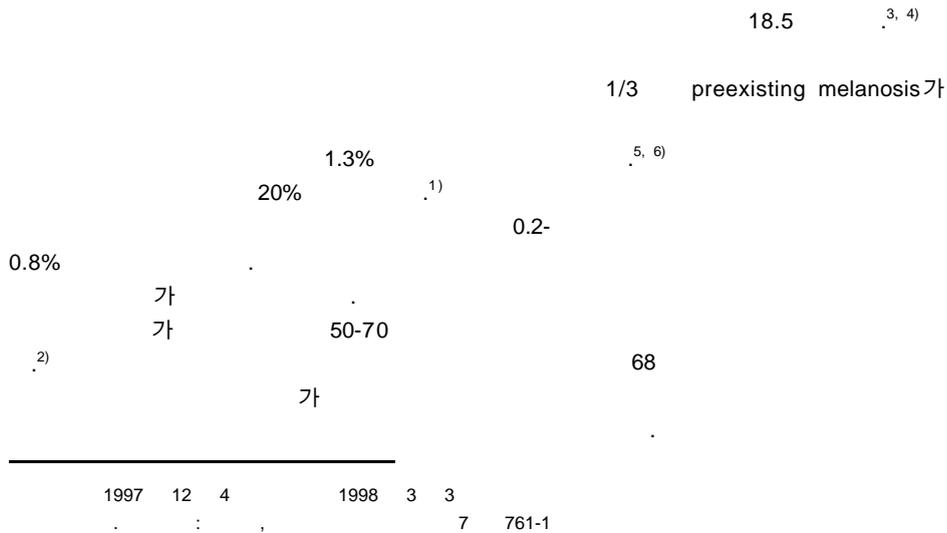
Radiation-Induced Malignant Melanoma Following Radiation Treatment for Squamous Cell Carcinoma of the Oral Cavity
- A Case Report and Review of Literature -

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Malignant melanoma of the oral cavity is rare, accounting for 1 to 8% of all malignant melanomas. The overall prognosis remains poor despite the available treatments such as radical surgery, adjuvant radiotherapy, chemotherapy and immunotherapy due to failure in early detection and tendency in early metastasis. The etiology of mucosal malignant melanoma remains unknown. However, there are few cases of malignant melanoma of the oral cavity reported in the literature, which might be related to preexisting melanosis and radiation treatment.

A case with malignant melanoma developed on the same site after 6 years following irradiation for squamous cell carcinoma of the oral cavity is reported in this article.

Key Words : Malignant melanoma, Oral cavity, Irradiation



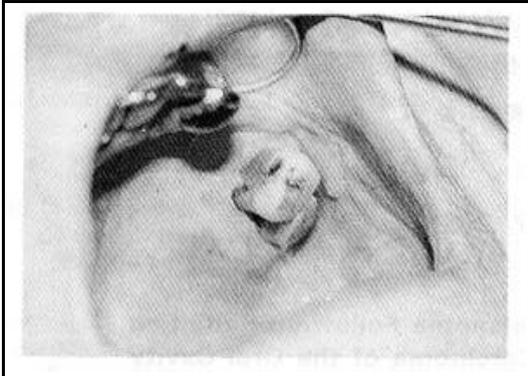


Fig. 1. 1 year post-irradiation status showed a focal area of pigmentation in the irradiated area.



Fig. 2A. Melanoma was developed in the melanosis area.

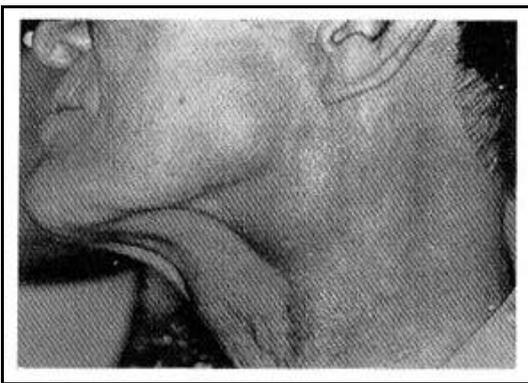


Fig. 2B. Malignant melanoma of oral cavity was associated with cervical lymph node metastasis.

6
2cm

4MV LINAC 6930cGy 1
180-200cGy 36

1
(Fig. 1).

6
5cm 가
(Fig. 2A & 2B).

(Fig. 3A & 3B).
(BCNU 100mg x 1, 5-FU 500mg x 3 &
DDP 40mg x 3 ,)

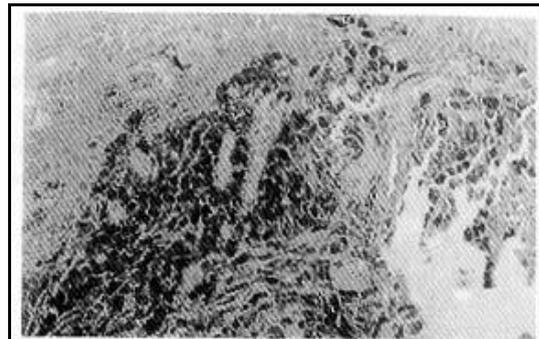


Fig. 3A. Pathologic finding of lymph node revealed massive infiltration with pigmented tumor cells (H&G, x 20).

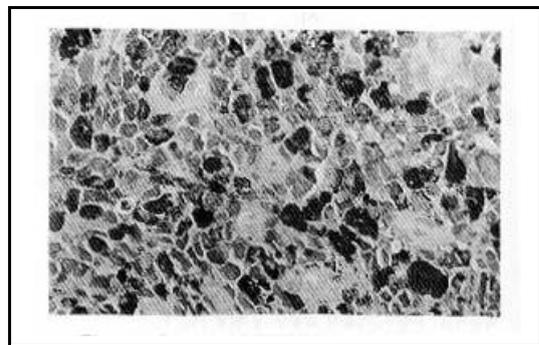


Fig. 3B. Pigmented melanoma cell(H&G, x 200)

1 350-400cGy 가
 cisplatin 10mg(9 ,)
 3 2900 cGy(8)

가
 가^{10, 11)} Harwood & Cummings
 7 6 , 399cGy
 18 5 가
 (400cGy)가¹⁰⁾
 가

가 (4-27)

Interferon, BCG smallpox vaccine¹²⁾

⁷⁾ melanosis가

가¹³⁾

⁸⁾ 가

가

⁹⁾ , , , ,

12

57.8 72.2%가 50 가

가

가

(plaque) 가 가

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, , , , ⁹⁾

1/3 가

가 ⁸⁾

가 가

5 31%

가 5.2% 가

18 가 48 가

가 가

develop after radiation therapy. Oral Surg Oral Med Oral Pathol 1994; 77:431-434

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