

Reirradiation of Head and Neck

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Corresponding Author:** Kunal Joon, Noida International Institute of Medical Sciences, Haryana, India.**Received:** August 02, 2024**Published:** August 06, 2024© All rights are reserved by **Kunal Joon.*Abstract**

Radiotherapy is a central component. Unfortunately, local recurrences are more common and can affect about 24 to 50 percent of patients after primary treatment. Patient with a relative small tumor burden and longer interval between irradiation with curative intent.

Keywords: Radiation; Successive Dose; Organs at Risk; Late Side Effects; Head and Neck Cancer; Carotid Blowout; Osteoradionecrosis



Figure 1

Its the ultrasound image showing organ at [1] risk like larynx (yellow), spinal cord (green), mandible (brown) [2].

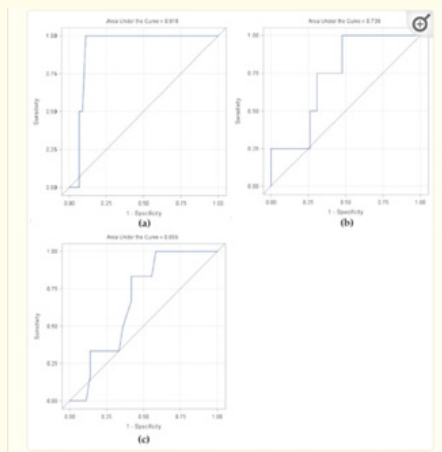


Figure 2

Receiver–operator characteristics (ROC) curve for logistic model. (a) Maximum dosage (D1cc) to carotid artery and carotid blow-out [3] syndrome. AUC 0.92 (95% CI 0.83 to 1.00) and a accurate value of 119 Gy [4] (sensitivity of 1.00/specificity 0.89). (b) Maximum dose (D1cc) to bones and grade ≥3 osteoradionecrosis. AUC = 0.74 (95% CI 0.52 to 0.95) and a cut-off value of 119 Gy [5] (sensitivity 1.00/specificity 0.52). (c) Mean dose to larynx and grade 3 or more dysphagia. AUC = 0.67 (95% CI 0.49 to 0.85) it's the study of [6] osetoradionecrosis due to the irradiation therapy [7].

Radiation and nuclear medicine

- Nuclear medicine
- Experiment 5.

Aim

To know the effect of nuclear medicine.

Material required

Thermometer, blood pressure measurer.

Theory

With the nuclear material digestion, a high amount of heat energy is released, high blood pressure is there.

Procedure

- Take the person who is taking nuclear medicine regular from one week.
- Take the person for test for blood pressure, temperature of the person's body.

Observation

A person who is drinking nuclear medicine has high temperature and blood pressure in body in case of presence of virus.

Result

With the nuclear material digestion, a high amount of heat energy is released, even a person have high blood pressure.

Nuclear medicine design.

Energy doses.

It is used to maintain energy balance in patients bodies and level the patients energy.

Antibodies

- This is used to treat cancerous and kill it
- It is used to kill the cancerous cell
- Desiging monoclonal antibodies (radiation rich)
- Antibodies are designed by DNA forward rolling and DNA backward rolling.

Discussion

We discussed about the irradiation therapy effect on head neck cancer and its side effect and also of the osteonecrosis.

Conclusion

Irradiation therapy can be used for the head neck cancer and had complication of the osteoradionecrosis and many complication.

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