ABSTRACT

Number of stem cell therapies has developed, particularly hematopoietic stem cell transplantation (HSCT). In new research, has known that patient undergoing hematopoietic stem cell transplantation (HSCT) have a higher risk of developing squamous cell carcinoma. Developing of squamous cell carcinoma is involve by type of stem cell’s sources and development of graft versus host disease. Allogeneic type has known as the highest risk for development of squamous cell carcinoma. In allogeneic type, GVHD occurs and then decreased the immune respon. Clinically, patient has white lession in his oral cavity. This lession called lichenoid reaction that can develope to be oral cancer and known as one of early sign in oral cancer (premalignant lession).

Keywords : Hematopoietic stem cell transplantation (HSCT), allogeneic, graft versus host disease (GVHD), lichenoid reaction, squamous cell carcinoma.