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Oral

**Clinical Audit: The Quality Of Intraoral Periapical Radiographic Films**

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**Introduction:** Intraoral periapical radiographic film is essential and aids in diagnosis, treatment planning, monitoring treatment and monitoring lesion development. A poor image quality of radiographic film and poor record keeping of these radiographs can affect the clinician's decision making. This first audit was to evaluate the quality of radiographic images and the compliance in following the standard of recording and labeling of radiographic films. The objectives of this audit were; firstly to highlight any potential problems involving quality of radiographic films within the department. Second, to assess the compliance of record keeping and labeling of intraoral radiographs. **Materials and Methods:** The study was conducted in a retrospective manner in the year 2017 with a sample of 100 intraoral periapical radiographic films from the year 2015 to 2016 in Hospital Sultanah Bahiyah. **Results:** This first audit cycle demonstrated: Good quality of radiographic films: 13% (n= 13/100), Good compliance of record keeping and labeling of radiograph: 32% (n= 32/100).

Recommendation and Action Plan:

Improve the quality of radiographic films:

- To standardize the method of taking and processing radiographic films
- Continuous training sessions for staff in usage of the film holder

Improve the compliance of record keeping and labeling of radiographic film

- To develop the standard protocol of recording and labeling of radiographic films
- To have monthly radiograph monitoring and record keeping

**Conclusion(s):** A good quality of intraoral radiographic film and good record keeping are essential to avoid unnecessary retake and repeated radiation exposure as well as keeping patient's record confidentially.

**KEYWORDS:** intraoral radiographic film, intraoral periapical film, radiographic error