ChecklistGuro

Dental X-Ray Safety Checklist: Radiation Protection & Calibration

Show only Checklist

Display Style
Default

Pre-Procedure Checks

Ensuring equipment readiness and personnel understanding of safety protocols before X-ray exposure.

Last Equipment Calibration Date

Enter date...

Tube Current (mA) Setting

Enter a number...

Kilovoltage (kVp) Setting

Enter a number...

Exposure Time Setting

Enter time...

Collimation Check

- [ ] Verified & Correct
- [ ] Needs Adjustment

Digital Receptor Check

- [ ] Cleaned
- [ ] Connected
- [ ] Functional

Image Processing Software Status

- [ ] Up-to-date
- [ ] Needs Update

Patient Preparation

Verifying patient shielding, positioning, and consent regarding radiation exposure.

Pregnancy Status?

- [ ] Yes
- [ ] No
- [ ] Unknown

Approximate Gestational Age (if applicable)

Enter a number...

Patient Communication Regarding Radiation Concerns?

- [ ] Yes
- [ ] No
- [ ] N/A

Details of Patient Concerns (if any)

Write something...

Appropriate Shielding Applied?

- [ ] Yes
- [ ] No
- [ ] N/A

Consent Form (if applicable)

Upload File

Patient Acknowledgement

Write something...

Equipment Calibration & Testing

Validating the accuracy and safety of X-ray equipment through regular calibration and quality control measures.

Tube Current (mA) Reading

Enter a number...

Kilovoltage (kVp) Setting

Enter a number...

Exposure Time (seconds)

Enter a number...

Detector Type

- [ ] Digital Sensor
- [ ] Film
- [ ] Phosphor Plate

Calibration Date

Enter date...

Calibration Time

Enter time...

Output Reading (mR)

Enter a number...

Calibration Status

- [ ] Pass
- [ ] Fail
- [ ] Pending

Shielding & Protective Barriers

Confirming adequate shielding for patients and personnel during exposure.

Lead Apron Thickness (for patient)

- [ ] 0.5 mm
- [ ] 1.0 mm
- [ ] 1.5 mm
- [ ] 2.0 mm

Thyroid Shield Used?

- [ ] Yes
- [ ] No

Gonadal Shield Used (if applicable)?

- [ ] Yes
- [ ] No
- [ ] Not Applicable

Distance from X-ray Unit (feet)

Enter a number...

Barrier Integrity Verified?

- [ ] Yes
- [ ] No

Comments on Shielding/Barriers (e.g., repairs needed)

Write something...

Exposure Parameters

Reviewing and documenting exposure settings (mA, kVp, time) for optimal image quality with minimal radiation dose.

kVp (Kilovoltage Peak)

Enter a number...

mA (MilliAmperes)

Enter a number...

Exposure Time (Seconds)

Enter a number...

Image Receptor Type

- [ ] Digital Sensor
- [ ] Film
- [ ] Phosphor Plate

Collimation Technique

- [ ] Correct
- [ ] Needs Adjustment

Notes on Exposure Settings (e.g., adjustments made, rationale)

Write something...

Date of Parameter Validation

Enter date...

Personnel Safety & Monitoring

Ensuring personnel are properly trained, wear appropriate protective gear, and are monitored for radiation exposure.

Last Radiation Exposure Badge Reading (mSv)

Enter a number...

Date of Last Radiation Safety Training

Enter date...

Radiation Safety Role (e.g., Radiation Safety Officer)

- [ ] Radiation Safety Officer
- [ ] Registered Dental Hygienist
- [ ] Dental Assistant
- [ ] Dentist

PPE Utilized During Exposure

- [ ] Thyroid Shield
- [ ] Lead Apron
- [ ] Gloves
- [ ] Eyewear

Notes on Individual Radiation Exposure Concerns

Write something...

Date of Next Scheduled Radiation Safety Review

Enter date...

Record Keeping & Documentation

Maintaining accurate records of equipment maintenance, calibration, and personnel monitoring.

Calibration Date

Enter date...

Exposure Meter Reading (mR)

Enter a number...

Notes on Calibration Procedure

Write something...

Calibration Certificate (PDF)

Upload File

Last Personnel Radiation Monitoring Date

Enter date...

Personnel Exposure Dose (mSv)

Enter a number...

Equipment Maintenance Log Reviewed?

- [ ] Yes
- [ ] No

Emergency Procedures

Reviewing and ensuring accessibility of emergency protocols related to radiation incidents.

Contact Information for Radiation Safety Officer (RSO)

Write something...

Emergency Contact Information (Police, Fire, Hazmat)

Write something...

Dose Limits for Personnel (mSv/year)

Enter a number...

Procedure for Reporting Radiation Incidents

Write something...

Date of Last Emergency Drill

Enter date...

Time of Last Emergency Drill

Enter time...

Steps Taken During Radiation Incident

- [ ] Evacuate Area
- [ ] Notify RSO
- [ ] Administer First Aid
- [ ] Secure Equipment
- [ ] Document Incident

Photos/Documentation of Incident (if applicable)

Upload File