Digital Radiography Flowchart

1. Patient selected from worklist
2. Set-up room
3. Patient properly identified
4. Appropriateness of request checked
5. Is the exam appropriate for the patient?
   - Yes: Explain the exam to patient/parent
   - No: Stop exam and contact radiologist
6. Is there a chance patient is pregnant?
   - Yes: Patient positioned correctly
   - No: Body part measured and immobilized
7. Beam, body part, image receptor aligned; SID checked, use of grid determined
8. Beam collimated properly
9. Is patient ready for the exposure?
   - Yes: Adjustments made
   - No: Technical factors selected
10. Is patient properly identified?
    - Yes: Shielding and markers placed
    - No: Beam collimated properly
11. Image processed
12. Image displayed, identification confirmed
13. Image quality reviewed
14. Exposure index checked, deviation index compared to target exposure index
15. Exam verified and images sent to PACS/RIS for reporting
16. Post-processing performed only if necessary
17. Is the image acceptable?
   - Yes: Repeat image
   - No: Stop exam and contact radiologist
18. Appropriate use of shielding and markers