(FIRST SURVEY)
FLOW CHART FOR RADIOPHARMACEUTICAL PRESCRIPTION ANALYSIS IN PEDIATRICS

1. Exam or treatment planned
   - Information /advice
     Explanation child/parents: Procedure/radiation safety/ fasting./ No glucose infusion /waste management (urine ...) / avoid close contact
   - Premedication check
     (prescribed by nuclear medicine physician)
     Thyroid blockage ( Lugol, potassium iodine tablets, sodium perchlorate), hydroxyzine, nitrogen oxide, lidocaine, prilocaine

2. Regulatory data of the prescription
   - Validity of the prescription
     Date
   - Prescriber identification /signature
   - Authorization of the prescriber

3. Patient information
   - Identification of the patient
     (name, first name, unique patient identifier)
     Age (date of birth)
     Weight, length/height, body surface area
   - Access to patient file?
   - Pathology (indication)
   - Drug history and other actual prescription (except premedication)
   - Inclusion in a clinical trial?
   - Allergy, intolerance
   - Time between radiopharmaceutical administration and chemotherapy/radiotherapy / hematopoietic growth factors

4. Radiopharmaceutical prescribed
   - Indication
     exam relevance
   - Choice of the radiopharmaceutical
   - Protocol
     EANM dosage card, minimum activity for image quality, 131I iobenguane: dosage determined using a pre therapeutic dose
   - Dosage
   - Drug interactions
   - Specific circuit radiopharmaceutical
   - Route and mode of administration
   - Validation +/- pharmaceutical opinion (traceability)

5. Dose preparation
   - Information to technicians in charge of preparation
   - Syringe preparation or other preparation
   - Specificity of the preparations for clinical trial
   - Devices choices for the preparation (luer, luer lock)- Compatibility between radiopharmaceutical and device
   - Specificity of the pediatric preparation (small volume, dilution...)
   - Macroaggregates number for specific radiopharmaceutical