**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)
     - Blockage Thyroid for iodine 131 I, 125I, 123I radiopharmaceuticals (except thyroid exam)
     - Exam date
     - 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
   - Kidney function (creatinine)
   - Liver function
   - Complete blood cell count

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

5. Dose preparation

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

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