TCK 15

KIT FOR THE PREPARATION OF ^{99m}Tc-GHA (GLUCOHEPTONATE)

(DIAGNOSTIC- FOR INTRAVENOUS USE)

The kit for ^{99m}Tc-GHA (Glucoheptonate) is a single component kit. On reconstituting the kit, as per specified recipe, ^{99m}Tc-GHA solution formed is sterile, pyrogen free and suitable for i.v. administration.

^{99m}Tc-GHA has high uptake and long retention in the kidney. The carboxyl and hydroxyl groups present in ^{99m}Tc-GHA have affinity for the proteins present in the renal tubules and hence retained in the kidney.

- ❑ ^{99m}Tc-GHA is used as renal imaging agent for
  - Estimation of relative function of left and right kidney.
  - Assessment of the size, shape and location of individual kidneys.
  - Delineation of renal cortical scarring in children with Vasico ureteric reflux.
- ❑ ^{99m}Tc-GHA is also used as brain tumor imaging agent for
  - Detection of intra cranial lesions due to altered blood brain barrier.
  - In some specific brain tumors, it can be used to assess the viability of the tumor (Poor man's ^{18}FDG).

DESCRIPTION OF THE KIT

Each kit consists of a single vial.

Each vial contains 200 mg of sodium glucoheptonate and 0.5 mg of stannous chloride dihydrate in freeze-dried form.

Radiopharmaceutical laboratory, BRIT, Vashi, Navi Mumbai.

BRIT

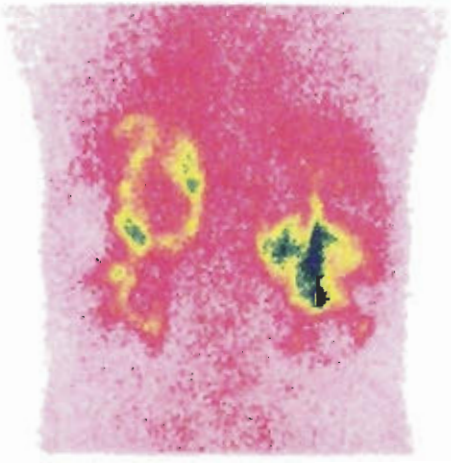
^{99m}Tc-GHA Formulation*

1. Allow the kit vials to attain ambient temperature.
2. Add 2-3ml of sterile sodium pertechnetate ($Na^{99m}TcO_4$) in 0.9% sodium chloride solution containing the required activity of ^{99m}Tc and mix well.
3. Allow it to stand at room temperature for 5-10 min.
4. The preparation is now ready for use.

*(*For actual formulation, follow Product Recipe)*

DOSAGE AND ADMINISTRATION

The suggested dose range per patient for i.v. administration of ^{99m}Tc-GHA is 5- 10 mCi (185 to 370 MBq) for renal imaging and 10-20 mCi (370-740 MBq) for brain imaging .



Polycystic kidneys

Cross linked ecotopic

For placing the orders and further details please contact
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