

Cod: PO189

## **ROLE OF TECHNOLOGISTS IN THE SOFTWARE IMPLEMENTATION ASTRIM FOR NBP IN THE PROCESS OF SYNTHESIS OF Y90 DOTATOC**

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### **BACKGROUND-AIM**

Our operational unit is equipped with the SW ASTRIM for NBP during simple preparations starting from the year 2013. We decided to ask the supplier to implement the SW modules dedicated to creating impromptu preparations, in our case the Y90 dotatoc-synthesis.

### **METHODS**

The TECHNOLOGISTS who have a support role to the marking for extemporaneous preparations, cooperated with the company's Application technician ASTRIM building of computer modules missing.

They are used to analyze the process of scorporandolo synthesis in various stages. The phases are as follows:  
frozen rate of aqueous solution of dota-toc lysine solution

Vial fractionation lysine solution therapy

Set for radiopharmaceutical concentrated

dilution Vial for summary radiopharmaceutical

quality control Set

Set therapy radiopharmaceutical therapy radiopharmaceutical

Division split into individual doses.

Are administered Later we asked the company to insert individually all stages of preparations of reagents and devices necessary to complete the process of synthesis. In each phase was submitted the description of operations the operator must perform, including the type and quantity of materials placed in a dedicated warehouse.

### **RESULTS**

Real-time operators perform the various stages of the recording process on the SW astrim all operations, including withdrawals from storage of necessary equipment. At the end of each work phase has produced an electronic worksheet and paper and printing a label with its lot number. The worksheet shows the description of the operations performed by the operator and materials identified by lot number and expiry date.

### **CONCLUSION**

The figure of TECHNOLOGISTS has been instrumental in building a computer process that previously did not exist. The benefits are those having extemporaneous preparation computerised allowing an adjustment in accordance with the NBP.

The stock is always updated in real time, making it possible to inventory control and deadlines by reducing the risk of expired products and devices taken while maintaining minimum stocks.

Reduces the risk of error on the part of the Assistant to the marking as the step-by-step guide.

Being all very descriptive is easier to any other TECHNOLOGISTS take over as Assistant to the marking.