



## PROBLEMS AND SOLUTIONS IN CASE OF DELAYED EMBALMING (ANATOMICAL AND PHYSIOLOGICAL ASPECT)-CADAVERIC STUDY

### Anatomy

<b>Dr. Apoorva Tripathi*</b>	Demonstrator *Corresponding Author
<b>Dr. Sonali</b>	Demonstrator
<b>Dr. Virendra Budhiraja</b>	Professor
<b>Mr. RK Gautam</b>	TA

### ABSTRACT

Embalming is the procedure by which we can preserve the cadaver for a long time for the purpose of the Anatomical dissection . The reported cadaveric study came to know in the department of Anatomy in Kalpana Chawla Government Medical college Karnal (Haryana). Jan Seva Dal is a society for the providing dead body for Anatomy Dissection.

### KEYWORDS

Anatomy, Cadaver, Dissection ,Streptokinase

#### Study:-

The Kalpana Chawla Govt. Medical College Karnal (Haryana) is one of the newly built medical college in North India .

Every month 4-5 dead body is coming for the purpose of Anatomy Dissection .

Normally embalming solution contains for 10 liters ,2.3 liter formaldehyde ,1.5 liter glycerine, 1 liter phenol, few crystal of thymol, Sodium oxalate, eosin few drops, water (remaining amount).

For the procedure of embalming in medical colleges Carotid or Femoral root is commonly used for embalming .

Due to the religious reason in State of Haryana ,after the death the body is not donated immediately in the medical college, as it should be available with in ideal time for proper preservation.

Now a days in the medical college the embalming machines are used instead of gravitational method.

One probe is there in the machine by which we can inject embalming fluid in the cadaver .

In this study it is observed that when fluid is injected inside the cadaver arterial lumen prevents the flow of fluid in the body.

This is due to the collection of clotted blood inside the arterial lumen as the body is not donated on proper time ,because of clotted blood , machine can not pump enough amount of embalming fluid inside the body of cadaver neither through carotid artery nor through femoral artery.

If pressure of preservative fluid is generated at high level then required the probe of embalming machine came out from the artery .

As well as both femoral and carotid arteries are punctured ,and there structure is also damaged.

#### Embalming Machine Infant Feeding Tube

##### Solution and Discussion:-

After the the death the liver stop functioning due to this the supply of natural anticoagulants is ceased, that's why the clotting occur. And under the effect of ATP and Calcium the muscles get contracted, and rigor mortis is happened.

To avoid this hurdle ,we can inject the anticoagulant along with little amount of an enzyme STREPTOKINASE in one of the artery with the help of 50ml syringe through infant feeding tube and leave the cadaver for 15-30 minutes and there after embalming fluid is passed through the artery which runs smoothly this indicates that the solution of anticoagulant with streptokinase is helpful to remove the clot inside the choked artery at larger extent .During the procedure it is observed that fluid runs through out the body smoothly and starts to leak through openings like nose, mouth and ear.

