



## Moulaging Real World Injuries

**CAUTION:** *Be sure to check that there are no allergies to makeup or any latex that might be in a product. Most products bought should be latex-free if possible.*

### Bruising

When red and blue makeup are combined, it appears as a bruise. Blend this highlighting with more red or blue, or bring in some yellow or purple to give it a more aged appearance.

### Lacerations

Mortician's Wax or Nose & Scar Wax can be shaped into various size balls ahead of the time to moulage. When time to apply, first apply makeup to skin area where the laceration will be. Color it as a bruising, darkening area as desired. Then take this wax and with the coloring of the skin makeup on hands, roll and shape this laceration to as long or large as desired. Apply spirit gum or Medical adhesive to skin area & to back of the wax shaped laceration. Allow these to become 'tacky' first, so they will adhere better. Once these are attached together, edges of this laceration can be lifted with a Q-tip or knife let some air get to it for a minute, and then reapply. This makes it more adherent.

This laceration can then have a 'bleeding' area within the center. Coagulated blood can be placed down the center by dragging a plastic knife or tongue blade forming a crater. Some lacerations may have foreign debris in and around them. This can be added to the wax mold, depending on depth of the mold. Small sticks, glass, pebbles can be placed in area. Use charcoal or dirt to make areas look more dramatic

### Impaled Objects

Color skin around area where debris is to be located. Apply spirit gum to skin and to back of 'lump' of Mortician's Wax or Nose & Scar wax and allow to dry to become 'tacky'. Use makeup to color areas to appear similar to injury when wax is applied. Prior to combining wax with body, apply the foreign body to wax so that this debris will not be poked through the wax and scrape or injure the skin. Apply congealed blood around & dirt or charcoal for drama. Spray blood as desired around area.

## **Burns/ Blisters**

Depending on the degree of burn desired, begin with applying red makeup to a larger area for 1<sup>st</sup> degree burns. Remember that 1<sup>st</sup> degree burns are like sunburn.

To enhance this burn to a 2<sup>nd</sup> degree, blisters can then be applied over these areas. First put several large globs of Vaseline around for the numbers of blisters desired. Then take one-ply tissue/Kleenex & place lightly over Vaseline & allow tissue to soak up Vaseline. This appears as a blister. Then can sprinkle some dirt or colored powdered makeup over this to make it more dramatic.

For a 3<sup>rd</sup> degree, don't forget that this will appear more charred, so the area around can be darkened with charcoal & blackened with darker makeup areas around the perimeter.

Blood can be sprinkled around these areas if desired, no matter what degree the burn is. Spraying some glycerin around the burns highlights them more.

## **Inhalation Burns**

This can be adjusted to cover much of the face, especially around the nose. Darken the face with red/blue areas around eyes & mouth and use black makeup around the nasal areas & upper lip.

## **Head Injuries**

Any head injuries may also have a loss of consciousness & possibly be nauseated and vomit. Vomit can be simply made with a cup holding cream corn. Any injury can be associated with a head injury. Bruising of the eyes, lacerations, burns, foreign bodies, etc., will be made as on any other body part.

*When moulaging the face; consider applying a thin layer of cold cream over entire face first as a moisturizer. So makeup can be removed easier.*

## **Broken Nose**

Place bruised area around eyes and nose, varying the coloring darker the closer to the main injury. Other areas will be reddened. With this coloring, take a piece of molding clay to appear close in color to the broken nose. Make it as a 'lump' that will go over the bridge of the nose. Apply spirit gum to bridge of nose & onto 'lump' of wax, allowing these to dry to being 'tacky'. Place together & form onto the nose & shape as desired. Can then use congealed blood to drip from nostril as in a bloody nose.

## **EYE Injuries**

Use red & blue bruising effect around eye. Can have bleeding from eye. Face can have dark shadows and foreign bodies, pieces of glass, etc., glycerin & blood sprayed to face.

## **Flushed Face**

Combine white with red makeup to desired color of pink/flushed face, neck & ears. Can spray/dab Glycerin to add a more 'sweaty' appearance. Can darken area under eyes & around lips to reduce pink color. Can be used for Cardiac patients.

## **Cyanosis**

Combine white with blue makeup to desired color to 'grey' up face & neck area, making it pale. Blend some blue coloring around lips, ear lobes, nail beds, to reinforce the coloring. Baby powder can also be blended and applied to face for darker skinned individuals to make them pale in appearance. DO NOT use baby powder if wearing contact lens Spray or dab glycerin for clammy, diaphoretic effect. Can be used for Cardiac patients and those with Chest injuries & shortness of breath.

## **Chest Wounds/ Crepitation**

Bruising of the chest wall where injury has occurred should be done. Usually this will accompany a laceration with bleeding and shortness of breath. Cyanosis may accompany this. For Subcutaneous crepitation, take mortician wax and mold to a laceration or to appear as a broken rib. Coloring should be similar to chest wall injury. If crepitus is desired, wrap Rice Krispies in saran wrap and tape or spirit gum it to chest wall encased in the mortician's wax mold. Make a pocket in the mold area and insert a small part of an Alka Seltzer tablet in this pocket. Give small glass with water to dribble on this at time of exam to make bubbling, sucking chest wound, just prior to being examined. Glycerin should be sprayed or dabbed on face & pale or cyanotic skin.

## **Evisceration**

Color skin around area of abdomen where evisceration is to be located. Use spirit gum as for impaled objects. Pack a non-lubricated, plain tip condom with previously made oatmeal & water, knotting the end. NOTE: Do NOT pack this oatmeal condom too heavily or it will fall off. Color it with the makeup similar to skin & apply spirit gum to allow to dry to 'tacky' as previously stated. Shape Mortician's wax, to size of condom so that this may be placed inside as a laceration, cushioning condom. Combine wax mold with oatmeal condom & then to abdomen. Spray blood to drip & place some congealed blood around area & darken area with charcoal or dirt for dramatic effect. Spray or dab glycerin.

## **Fractures**

Depending on the extremity, color the area with bruising appearance from makeup and build up a mortician wax mold similar in this color. Use spirit gum to skin and back of wax mold and allow to dry to 'tacky'. Insert broken bone, chicken bone, piece of rib (bones should have been boiled to be clean), into wax mold. Combine this mold to extremity. Spray blood & apply congealed blood to area & darken with dirt or charcoal for effect.

## **Amputations**

Take an empty plastic bottle, similar in size to extremity to be used. Cut off the narrower end of bottle, and cover this with material or rag at least over half of the bottle. Place Mortician's wax around these edges to simulate torn, jagged skin. Color this area with makeup and blood. Can use cream corn to give appearance of 'fatty tissue'. Bones or debris with glass, etc. may also be imbedded for effect.

Tuck this into shirt or pants leg and spray with blood & debris and dirt/ charcoal for drama. Spray with glycerin for shock effect.

Adult arm can be a 1 liter bottle or leg can be 2 liter bottle. Child arm or adult hand can be a 20 oz bottle.

## **Hazardous Material Incident**

Coat or spray 'contaminated area' with sparkling body gel or body glitter. Hairspray will hold the glitter in place. Any other injuries could be associated with this or none at all.

## **Sprains**

Bruise the area that is sprained with red and blue, possibly some green coloring to be age related to injury.

## Moulage Supplies

### Makeup or Makeup Wheels

Red	Black	Blue	Yellow
White	Brown	Flesh	

### Halloween Store

Mortician's Wax/ Nose & Scar Wax  
Clown White  
Charcoal  
Dirt  
Congealed blood  
Liquid blood  
Spirit Gurn/ Medical Adhesive & Medical Adhesive Remover  
Nail polish remover/ adhesive remover  
Face cream/ Cold cream (Jergens/generic)  
Glycerin

### Tools

Gloves  
Several plastic sheets /rolls of plastic (tablecloths with plastic & paper) to cover floors, tables, chairs or sheets  
Wide tape to secure plastic sheeting e.g. Masking or Painter's tape  
Small triangles of makeup sponges  
Orange sticks/ tongue depressors  
Plastic knives/ spoons/small cups  
Cotton Tip applicators/ Q tips  
Small packets of tissues/ Kleenex  
Cotton balls  
Spray bottles for glycerin & liquid blood  
Rice Krispies  
Alka-Seltzer tablets – Burns  
Saran wrap  
Rubber bands  
Rags/ Paper towels  
Garbage bags  
Scissors  
Wet wipes for hands used between moulaging each victim  
Paint brushes  
Alcohol wipes to clean skin for better adhesive application  
Bottles of water to mix material  
Paper tape or other to assist in securing some material to skin

## Debris

Bone fragments /Sticks  
Rocks/ pebbles  
Plastic (in place of glass shards)

## Scenario-dependent

Condoms filled with some oatmeal (simulate bowel)  
Cream corn in small cups (vomitus)/ Granola bars with Oatmeal to chew & spit out  
Alka-Seltzer or a generic foaming tablet to apply as open sucking chest wound  
Rice Krispies and Sarah Wrap

## For Additional Information

### Supplies

Spirit Halloween Store      <http://www.spirithalloween.com/>  
Dallas & Company      <http://dallasandco.com/>  
Dollar Store, Walgreens, Osco, etc.

Halloween season is a great time to get supplies for your moulage kit.

### Images

Google Images

### Moulage Recipes

Laerdal  
<http://www.laerdal.com/usa/sun/ppt/recipebook.pdf>  
Oklahoma Health  
[http://www.okhealthcareworkforce.com/Conferences/documents/Jackielangford\\_ArtofMoulage\\_Recipes.pdf](http://www.okhealthcareworkforce.com/Conferences/documents/Jackielangford_ArtofMoulage_Recipes.pdf)  
Moulage Tech  
<http://www.cert-la.com/education/moulage-recipes.pdf>  
Moulage Tech  
<http://static1.squarespace.com/static/5121177ae4b06840010a00c1/t/5148b85ee4b00086bb8c8f5f/1363720286089/MFTI+basic+moulage+recipes.pdf>



## DEPLOYMENT OPERATIONS COURSE MOULAGE Jan 30-31

### Participant Evaluation

*This course is provided through a grant from ASPR and the Illinois Department of Public Health Hospital Preparedness Program.*

#### COURSE CONTENT

Please rate the content of this course.

	Excellent	Above Average	Average	Fair	Poor	No Opinion
1. Overall value of the session	5	4	3	2	1	No
2. Location-setting	5	4	3	2	1	No
3. Presenter's general knowledge of the subject matter	5	4	3	2	1	No
4. Quality of the handouts	5	4	3	2	1	No
5. Quality of the session's audio-visuals	5	4	3	2	1	No
6. The level of course content	5	4	3	2	1	No
7. Amount of time allowed for this session	5	4	3	2	1	No

#### PRESENTATIONS

Please rate the presentation portion of this activity. If your rating is 3 or less, please explain in the essay portion of the evaluation

	Excellent	Above Average	Average	Fair	Poor	No Opinion
8. Introduction of course content	5	4	3	2	1	No
9. Basic techniques for specific injuries	5	4	3	2	1	No
10. References and handouts	5	4	3	2	1	No
11. Hands-on Session	5	4	3	2	1	No

#### DISCLOSURE OF CONFLICT OF INTEREST(S)

The activity provider has disclosed in writing or verbally any conflict of interest or lack thereof declared by the planners and presenters/content specialists.

YES ☐

NO ☐

**GENERAL INFORMATION (please use the back side of this page for additional comments)**

1. What did you like most about this program?

---

---

---

2. We appreciate any additional comments/suggestions you may have:

---

---

---