

Contrast Extravasation Staging and Treatment

Warm pack: Apply warm pack for one hour after treatment.

Cold pack: Apply for 20 minutes, 4 times a day for 48 hours.

Stage of Extravasation	Observation	Treatment Options
Stage 1	<ul style="list-style-type: none"> ● Pain at site ● Difficulty with IV cannula flushes. ● No redness or swelling 	<ol style="list-style-type: none"> 1. Remove IV cannula. 2. Elevate extremity.
Stage 2	<ul style="list-style-type: none"> ● Pain at site ● Redness and slight swelling at site. ● Brisk capillary refill. 	<ol style="list-style-type: none"> 1. Remove IV cannula. 2. Elevate extremity.
Stage 3	<ul style="list-style-type: none"> ● Pain at site ● Moderate swelling. ● Blanching of area ● Skin cool to touch ● Brisk capillary refill below the site. 	<ol style="list-style-type: none"> 1. Leave IV cannula in place, and, using a 1ml syringe, aspirate as much fluid as possible. 2. Remove cannula after aspiration attempt. 3. Elevate extremity. 4. Consider antidote.
Stage 4	<ul style="list-style-type: none"> ● Pain ● Severe swelling around site. ● Blanching of area ● Skin cool to touch ● Area of skin necrosis or blistering. ● Prolonged capillary refill time (<4 seconds) ● Decreased or absent pulse. 	<ol style="list-style-type: none"> 1. Leave IV cannula in place, and, using a 1ml syringe, aspirate as much fluid as possible. 2. Remove cannula after aspiration attempt. 3. Elevate extremity. 4. Surgical consultation.