Extravasation treatment algorithm:

- Stop infusion
- Aspirate drug
- Remove IV while aspirating (w/ 3-5 mL of blood)
- Elevate extremities
- Consider Gual flushout method

Vasopressors:
- Dobutamine
- Dopamine
- Epinephrine
- Norepinephrine
- Phenylephrine

Vinca Alkaloids:
- Vinorelbine
- Vinblastine
- Vincristine
- Vindesine

Epoprostenol:
- Epoprostenol

Hyperosmolar solutions:
- Calcium salts
- Dextrose > 10%
- Potassium salts >0.1 mEq/mL
- Sodium bicarbonate > 8.4%
- TPN > 10%
- PPN
- Mannitol > 5%

Other:
- Paclitaxel
- Docetaxel
- Anthracyclines
- Dacarbazine
- Doxorubicin

Methotrexate:
- 4-6 mL of 10% sodium Thiosulfate is mixed with 6 mL of sterile water
- 2 mL sodium Thiosulfate solution is injected for every milligram of methotrexate or 100 milligrams of cisplatin infiltrated

Phentolamine (Regitine):
- Warm compress:
  10-15 minutes four times a day for 48-72 hours

For Neonates:
- 1:10 dilution of the commercial 5 mg/mL phenolamine to a concentration of 0.5 mg/mL
- 5 injections of 0.2 mL of phenolamine into the area of extravasation

For infants, children, adults:
- 1:5 dilution of the commercially available 5mg/mL phenolamine to attain a concentration of 1 mg/mL phenolamine
- Solution injected in 0.5 to 1 mL aliquots five times around the injection site using a 25-gauge or 27-gauge needle

Cold Compress extravasations: 10-15 minutes, four times a day for 48-72 hours.

Hyaluronidase *
- 150 units/mL needed
- Hylenase 80, Amphadase 80, and Hydase TM 160 units/mL
- Vimase 80 (200 units/mL) 3:1 dilution necessary
- Should be given within one hour, effective for up to 12 hours.
- May be repeated

Adults:
- Non-diluted, five subcutaneous 0.2 mL injections

Children, infants, neonates:
- 1:10 dilution (15 units/mL)
- Five 0.2 mL injections

Clinical observation for soft tissue necrosis and compartment syndrome
Surgical intervention as necessary (debridement, fasciotomies, soft tissue reconstruction)
Wound care with non-adherent dressing

We have kept the suggestions for thermal compresses in the treatment algorithm for comfort - however it was mentioned in the text that their efficacy remains anecdotal.

* FDA approved antidote for anthracycline extravasation

* Level V evidence