

POST-OP INTRAOCULAR ANTIBIOTIC/ANTI-INFLAMMATORY INJECTION

List of supplies:

1	BSS	500ml
1	Vancomycin Hydrochloride inj. 500mg	50mg/ml
1	Ceftazidime 1 GM	50mg/ml
1	Dexamethasone	4mg/ml
2	20cc syringe	
1	5cc syringe	
1	20cc sterile water	
4	TB syringes	
1	Sterile empty vial	20ml
6	5 micron filter needles	
7	20g needles	

Reconstitution of medications:

Vancomycin – Using the filter needle and a 10cc syringe, withdraw 10cc sterile water. Change to a 20g needle and inject 10cc sterile water into 500mg vial of Vancomycin. Solution expires in 1 week.

Ceftazidime – Vent the bottle using a 20g needle. Use a filter needle to withdraw 20cc BSS from the 500cc bottle. Switch to a 20g needle and add to the bottle of Ceftazidime, leaving the 20g “vent” needle in place. Solution expires in 1 week.

Directions for mixing the AC solution:

Using the 5 micron filter needle, withdraw 16.64cc of BSS into a 20cc syringe from 500cc bottle of BSS. Switch to a 20g needle; inject the BSS into an empty 20cc vial. Using a 5 micron filter needle and a TB syringe, withdraw 5.62cc of Dexamethasone. Change to a 20g needle and inject into the same sterile vial containing the BSS. Using a 5 micron filter needle and a TB syringe, withdraw 0.09cc Ceftazidime. Change to a 20g needle and inject into the same sterile vial. Using a 5 micron filter needle and a TB syringe, withdraw 0.15cc Vancomycin. Change to a 20g needle and inject into the same sterile vial. (Total volume is equal to 22.5cc.)

Dosage of 0.1cc is equal to:

Ceftazidime	20mcg
Vancomycin	33.3mcg
Dexamethasone	99mcg