

# Diltiazem Load

for ed use

updated 8-2010

## Mix the Drip

Add 50 mg (10 ml) of Diltiazem to 50 ml of NS to makes 60 ml of Diltiazem (0.83 mg/ml)

## Loading the Diltiazem

- Place the diltiazem on a med pump
- Set the **Rate** to 180 ml/hr and the **Volume to Be Infused** (VTBI) to 30 ml
- This will give 25 mg of diltiazem at a rate of 2.5 mg/min
- If heart rate < 90 or SBP < 110, stop the load
- If after completion of initial 25 mg load, the HR > 90, repeat again
- Set the **Rate** to 180 ml/hr and the **Volume to Be Infused** (VTBI) to 30 ml
- This will give 25 mg of diltiazem at a rate of 2.5 mg/min
- If heart rate < 90 or SBP < 110, stop the 2nd half of the load

**Record the total dose of Diltiazem administered in the chart using this table:**

mls Infused	Dilt Given (mg)	mls Infused	Dilt Given (mg)	mls Infused	Dilt Given (mg)
1	0.8	21	17.5	41	34.2
2	1.7	22	18.3	42	35
3	2.5	23	19.1	43	35.8
4	3.3	24	20	44	36.7
5	4.2	25	20.8	45	37.5
6	5	26	21.6	46	38.3
7	5.8	27	22.5	47	39.2
8	6.7	28	23.3	48	40
9	7.5	29	24.1	49	40.8
10	8.3	30	25	50	41.7
11	9.2	31	25.8	51	42.5
12	10	32	26.6	52	43.3
13	10.8	33	27.5	53	44.2
14	11.7	34	28.3	54	45
15	12.5	35	29.1	55	45.7
16	13.3	36	30	56	46.5
17	14.2	37	30.8	57	47.5
18	15	38	31.7	58	48.1
19	15.8	39	32.5	59	49
20	16.6	40	33.3	60	50

## Maintenance

After heart rate goal is reached, either switch to a conventional Diltiazem drip @ 5-15 mg/hr or give 30-60 mg PO.