

## AMIODARONE (CORDARONE)

### Indications:

- Ventricular Arrhythmias or Wide Complex Tachycardia with or without a pulse

### Contraindications:

- Bradycardia
- 2<sup>nd</sup>/3<sup>rd</sup> Degree Block
- None in Cardiac Arrest

### Adverse effects:

- Vasodilation
- Hypotension
- Bradycardia
- AV block
- Increased QT interval
- V-Tach

**Class:** Antiarrhythmic, Primarily Class III but has properties of all of the Vaughan Williams classifications

**Mechanism of Action:** Prolongs the duration of the action potential and refractory period of all Cardiac fibers. Depresses the Phase 0 slope by causing a sodium blockade. Causes a Beta block as well as a weak calcium channel blockade. Primarily a Potassium-channel blocker (Class III antiarrhythmic) blocks the potassium channels that are responsible for phase 3 repolarization. Blocking these channels slows (delays) repolarization, which leads to an increase in action potential duration and an increase in the effective refractory period (ERP). Relaxes vascular smooth muscle, decreases peripheral vascular resistance, and increases coronary contractility. Drug has a rapid onset.

**Concentration:** 150.0 mg/3.0 ml

### Dosage:

#### Adult:

- **Wide Complex Tachycardia w/Pulses**
  - 1<sup>st</sup> Dose: 150.0 mg IV/IO over 10 minutes
  - 2<sup>nd</sup> Dose: Repeat 150.0 mg IV/IO over 10 minutes (if needed)
- **V-Fib/V-Tach Cardiac Arrest**
  - 1<sup>st</sup> Dose: 300.0 mg IV/IO bolus (may administer 2<sup>nd</sup> dose in 5 minutes if needed)
  - 2<sup>nd</sup> Dose: 150.0 mg IV/IO bolus (if needed)

## AMIODARONE (CORDARONE) cont.

### Pediatric:

➤ **Wide Complex Tachycardia w/Pulses**

5.0 mg/kg IV/IO over 10 minutes

Max dose 150.0 mg

*Place weight based appropriate milliliters of Amiodarone into a 100.0 ml bag of NS and administer over 10 minutes.*

<b>3KG</b>	<b>4KG</b>	<b>5KG</b>	<b>6KG</b>	<b>7KG</b>	<b>8KG</b>	<b>9KG</b>	<b>10KG</b>	<b>11KG</b>	<b>12KG</b>	<b>13KG</b>
0.3ml	0.4ml	0.5ml	0.6ml	0.7ml	0.8ml	0.9ml	1.0ml	1.1ml	1.2ml	1.3ml

<b>14KG</b>	<b>15KG</b>	<b>16KG</b>	<b>17KG</b>	<b>18KG</b>	<b>19KG</b>	<b>20KG</b>	<b>21KG</b>	<b>22KG</b>	<b>23KG</b>	<b>24KG</b>
1.4 ml	1.5ml	1.6ml	1.7ml	1.8ml	1.9ml	2.0ml	2.1ml	2.2ml	2.3ml	2.4ml

<b>25KG</b>	<b>26KG</b>	<b>27KG</b>	<b>28KG</b>	<b>29KG</b>	<b>30KG</b>	<b>31KG</b>	<b>32KG</b>	<b>33KG</b>	<b>34KG</b>	<b>35KG</b>
2.5ml	2.6ml	2.7ml	2.8ml	2.9ml	3.0ml	3.0ml	3.0ml	3.0ml	3.0ml	3.0ml

<b>36KG</b>
3.0ml

➤ **V-Fib/V-Tach Cardiac Arrest**

5.0 mg/kg IV/IO over 1-2 minutes

Repeat up to 15 mg/kg every 5 minutes to a maximum dose of 300.0 mg (if needed)

*Draw up appropriate milliliters and administer bolus IV/IO*

### Pediatric 1<sup>st</sup> Dose:

<b>3KG</b>	<b>4KG</b>	<b>5KG</b>	<b>6KG</b>	<b>7KG</b>	<b>8KG</b>	<b>9KG</b>	<b>10KG</b>	<b>11KG</b>	<b>12KG</b>	<b>13KG</b>
0.3ml	0.4ml	0.5ml	0.6ml	0.7ml	0.8ml	0.9ml	1.0ml	1.1ml	1.2ml	1.3ml

<b>14KG</b>	<b>15KG</b>	<b>16KG</b>	<b>17KG</b>	<b>18KG</b>	<b>19KG</b>	<b>20KG</b>	<b>21KG</b>	<b>22KG</b>	<b>23KG</b>	<b>24KG</b>
1.4ml	1.5ml	1.6ml	1.7ml	1.8ml	1.9ml	2.0ml	2.1ml	2.2ml	2.3ml	2.4ml

<b>25KG</b>	<b>26KG</b>	<b>27KG</b>	<b>28KG</b>	<b>29KG</b>	<b>30KG</b>	<b>31KG</b>	<b>32KG</b>	<b>33KG</b>	<b>34KG</b>	<b>35KG</b>
2.5ml	2.6ml	2.7ml	2.8ml	2.9ml	3.0ml	3.1ml	3.2ml	3.3ml	3.4ml	3.5ml

<b>36KG</b>
3.6ml

## AMIODARONE (CORDARONE) cont.

### Pediatric 2<sup>nd</sup> Dose:

3KG	4KG	5KG	6KG	7KG	8KG	9KG	10KG	11KG	12KG	13KG
0.3ml	0.4ml	0.5ml	0.6ml	0.7ml	0.8ml	0.9ml	1.0ml	1.1ml	1.2ml	1.3ml

14KG	15KG	16KG	17KG	18KG	19KG	20KG	21KG	22KG	23KG	24KG
1.4ml	1.5ml	1.6ml	1.7ml	1.8ml	1.9ml	2.0ml	2.1ml	2.2ml	2.3ml	2.4ml

25KG	26KG	27KG	28KG	29KG	30KG	31KG	32KG	33KG	34KG	35KG
2.5ml	2.6ml	2.7ml	2.8ml	2.9ml	3.0ml	2.9ml	2.8ml	2.7ml	2.6ml	2.5ml

36KG
2.4ml

### Pediatric 3<sup>rd</sup> Dose:

3KG	4KG	5KG	6KG	7KG	8KG	9KG	10KG	11KG	12KG	13KG
0.3ml	0.4ml	0.5ml	0.6ml	0.7ml	0.8ml	0.9ml	1.0ml	1.1ml	1.2ml	1.3ml

14KG	15KG	16KG	17KG	18KG	19KG	20KG	21KG	22KG	23KG	24KG
1.4ml	1.5ml	1.6ml	1.7ml	1.8ml	1.9ml	2.0ml	1.8ml	1.6ml	1.4ml	1.2ml

25KG	26KG	27KG	28KG	29KG	30KG	31KG	32KG	33KG	34KG	35KG
1.0ml	0.8ml	0.6ml	0.4ml	0.2ml	No 3 <sup>rd</sup> Dose	No 3 <sup>rd</sup> Dose	No 3 <sup>rd</sup> Dose	No 3 <sup>rd</sup> Dose	No 3 <sup>rd</sup> Dose	No 3 <sup>rd</sup> Dose

36KG
No 3 <sup>rd</sup> Dose

**\*No 3<sup>rd</sup> Dose d/t max dose met.**

### Pediatric 4<sup>th</sup> Dose:

3KG	4KG	5KG	6KG	7KG	8KG	9KG	10KG	11KG	12KG	13KG
0.3ml	0.4ml	0.5ml	0.6ml	0.7ml	0.8ml	0.9ml	1.0ml	1.1ml	1.2ml	1.3ml

14KG	15KG	16KG	17KG	18KG	19KG	20KG	21KG	22KG	23KG	24KG
1.4ml	1.5ml	1.2ml	0.9ml	0.6ml	0.3ml	No 4 <sup>th</sup> Dose	No 4 <sup>th</sup> Dose	No 4 <sup>th</sup> Dose	No 4 <sup>th</sup> Dose	No 4 <sup>th</sup> Dose

25KG	26KG	27KG	28KG	29KG	30KG	31KG	32KG	33KG	34KG	35KG
No 4 <sup>th</sup> Dose	No 4 <sup>th</sup> Dose	No 4 <sup>th</sup> Dose	No 4 <sup>th</sup> Dose	No 4 <sup>th</sup> Dose	No 4 <sup>th</sup> Dose	No 4 <sup>th</sup> Dose	No 4 <sup>th</sup> Dose	No 4 <sup>th</sup> Dose	No 4 <sup>th</sup> Dose	No 4 <sup>th</sup> Dose

<b>36KG</b>
No 4 <sup>th</sup> Dose

**\*No 4<sup>th</sup> Dose d/t max dose met.**

**Pediatric 5<sup>th</sup> Dose:**

<b>3KG</b>	<b>4KG</b>	<b>5KG</b>	<b>6KG</b>	<b>7KG</b>	<b>8KG</b>	<b>9KG</b>	<b>10KG</b>	<b>11KG</b>	<b>12KG</b>	<b>13KG</b>
0.3ml	0.4ml	0.5ml	0.5ml	0.7ml	0.8ml	0.9ml	1.0ml	1.1ml	1.2ml	0.8ml

<b>14KG</b>	<b>15KG</b>	<b>16KG</b>	<b>17KG</b>	<b>18KG</b>	<b>19KG</b>	<b>20KG</b>	<b>21KG</b>	<b>22KG</b>	<b>23KG</b>	<b>24KG</b>
0.2ml	No 5 <sup>th</sup> Dose	No 5 <sup>th</sup> Dose	No 5 <sup>th</sup> Dose	No 5 <sup>th</sup> Dose	No 5 <sup>th</sup> Dose	No 5 <sup>th</sup> Dose	No 5 <sup>th</sup> Dose	No 5 <sup>th</sup> Dose	No 5 <sup>th</sup> Dose	No 5 <sup>th</sup> Dose

<b>25KG</b>	<b>26KG</b>	<b>27KG</b>	<b>28KG</b>	<b>29KG</b>	<b>30KG</b>	<b>31KG</b>	<b>32KG</b>	<b>33KG</b>	<b>34KG</b>	<b>35KG</b>
No 5 <sup>th</sup> Dose	No 5 <sup>th</sup> Dose	No 5 <sup>th</sup> Dose	No 5 <sup>th</sup> Dose	No 5 <sup>th</sup> Dose	No 5 <sup>th</sup> Dose	No 5 <sup>th</sup> Dose	No 5 <sup>th</sup> Dose	No 5 <sup>th</sup> Dose	No 5 <sup>th</sup> Dose	No 5 <sup>th</sup> Dose

<b>36KG</b>
No 5 <sup>th</sup> Dose

**\*No 5<sup>th</sup> Dose d/t max dose given.**

**Pediatric 6<sup>th</sup> Dose:**

<b>3KG</b>	<b>4KG</b>	<b>5KG</b>	<b>6KG</b>	<b>7KG</b>	<b>8KG</b>	<b>9KG</b>	<b>10KG</b>	<b>11KG</b>	<b>12KG</b>	<b>13KG</b>
0.3ml	0.4ml	0.5ml	0.6ml	0.7ml	0.8ml	0.9ml	1.0ml	0.5ml	No 6 <sup>th</sup> Dose	No 6 <sup>th</sup> Dose

<b>14KG</b>	<b>15KG</b>	<b>16KG</b>	<b>17KG</b>	<b>18KG</b>	<b>19KG</b>	<b>20KG</b>	<b>21KG</b>	<b>22KG</b>	<b>23KG</b>	<b>24KG</b>
No 6 <sup>th</sup> Dose	No 6 <sup>th</sup> Dose	No 6 <sup>th</sup> Dose	No 6 <sup>th</sup> Dose	No 6 <sup>th</sup> Dose	No 6 <sup>th</sup> Dose	No 6 <sup>th</sup> Dose	No 6 <sup>th</sup> Dose	No 6 <sup>th</sup> Dose	No 6 <sup>th</sup> Dose	No 6 <sup>th</sup> Dose

<b>25KG</b>	<b>26KG</b>	<b>27KG</b>	<b>28KG</b>	<b>29KG</b>	<b>30KG</b>	<b>31KG</b>	<b>32KG</b>	<b>33KG</b>	<b>34KG</b>	<b>35KG</b>
No 6 <sup>th</sup> Dose	No 6 <sup>th</sup> Dose	No 6 <sup>th</sup> Dose	No 6 <sup>th</sup> Dose	No 6 <sup>th</sup> Dose	No 6 <sup>th</sup> Dose	No 6 <sup>th</sup> Dose	No 6 <sup>th</sup> Dose	No 6 <sup>th</sup> Dose	No 6 <sup>th</sup> Dose	No 6 <sup>th</sup> Dose

<b>36KG</b>
No 6 <sup>th</sup> Dose

**\*No 6<sup>th</sup> Dose d/t max dose met.**

## AMIODARONE (CORDARONE) cont.

### Pediatric 7<sup>th</sup> Dose:

3KG	4KG	5KG	6KG	7KG	8KG	9KG	10KG	11KG	12KG	13KG
0.3ml	0.4ml	0.5ml	0.6ml	0.7ml	0.8ml	0.6ml	No 7 <sup>th</sup> Dose	No 7 <sup>th</sup> Dose	No 7 <sup>th</sup> Dose	No 7 <sup>th</sup> Dose

14KG	15KG	16KG	17KG	18KG	19KG	20KG	21KG	22KG	23KG	24KG
No 7 <sup>th</sup> Dose	No 7 <sup>th</sup> Dose	No 7 <sup>th</sup> Dose	No 7 <sup>th</sup> Dose	No 7 <sup>th</sup> Dose	No 7 <sup>th</sup> Dose	No 7 <sup>th</sup> Dose	No 7 <sup>th</sup> Dose	No 7 <sup>th</sup> Dose	No 7 <sup>th</sup> Dose	No 7 <sup>th</sup> Dose

25KG	26KG	27KG	28KG	29KG	30KG	31KG	32KG	33KG	34KG	35KG
No 7 <sup>th</sup> Dose	No 7 <sup>th</sup> Dose	No 7 <sup>th</sup> Dose	No 7 <sup>th</sup> Dose	No 7 <sup>th</sup> Dose	No 7 <sup>th</sup> Dose	No 7 <sup>th</sup> Dose	No 7 <sup>th</sup> Dose	No 7 <sup>th</sup> Dose	No 7 <sup>th</sup> Dose	No 7 <sup>th</sup> Dose

36KG
No 7 <sup>th</sup> Dose

**\*No 7<sup>th</sup> Dose d/t max dose met.**

### Pediatric 8<sup>th</sup> Dose:

3KG	4KG	5KG	6KG	7KG	8KG	9KG	10KG	11KG	12KG	13KG
0.3ml	0.4ml	0.5ml	0.6ml	0.7ml	0.4ml	No 8 <sup>th</sup> Dose	No 8 <sup>th</sup> Dose	No 8 <sup>th</sup> Dose	No 8 <sup>th</sup> Dose	No 8 <sup>th</sup> Dose

14KG	15KG	16KG	17KG	18KG	19KG	20KG	21KG	22KG	23KG	24KG
No 8 <sup>th</sup> Dose	No 8 <sup>th</sup> Dose	No 8 <sup>th</sup> Dose	No 8 <sup>th</sup> Dose	No 8 <sup>th</sup> Dose	No 8 <sup>th</sup> Dose	No 8 <sup>th</sup> Dose	No 8 <sup>th</sup> Dose	No 8 <sup>th</sup> Dose	No 8 <sup>th</sup> Dose	No 8 <sup>th</sup> Dose

25KG	26KG	27KG	28KG	29KG	30KG	31KG	32KG	33KG	34KG	35KG
No 8 <sup>th</sup> Dose	No 8 <sup>th</sup> Dose	No 8 <sup>th</sup> Dose	No 8 <sup>th</sup> Dose	No 8 <sup>th</sup> Dose	No 8 <sup>th</sup> Dose	No 8 <sup>th</sup> Dose	No 8 <sup>th</sup> Dose	No 8 <sup>th</sup> Dose	No 8 <sup>th</sup> Dose	No 8 <sup>th</sup> Dose

36KG
No 8 <sup>th</sup> Dose

**\*No 8<sup>th</sup> Dose d/t max dose met.**

## AMIODARONE (CORDARONE) cont.

### Pediatric 9<sup>th</sup> Dose:

3KG	4KG	5KG	6KG	7KG	8KG	9KG	10KG	11KG	12KG	13KG
0.3ml	0.4ml	0.5ml	0.6ml	0.4ml	No 9 <sup>th</sup> Dose	No 9 <sup>th</sup> Dose	No 9 <sup>th</sup> Dose	No 9 <sup>th</sup> Dose	No 9 <sup>th</sup> Dose	No 9 <sup>th</sup> Dose

14KG	15KG	16KG	17KG	18KG	19KG	20KG	21KG	22KG	23KG	24KG
No 9 <sup>th</sup> Dose	No 9 <sup>th</sup> Dose	No 9 <sup>th</sup> Dose	No 9 <sup>th</sup> Dose	No 9 <sup>th</sup> Dose	No 9 <sup>th</sup> Dose	No 9 <sup>th</sup> Dose	No 9 <sup>th</sup> Dose	No 9 <sup>th</sup> Dose	No 9 <sup>th</sup> Dose	No 9 <sup>th</sup> Dose

25KG	26KG	27KG	28KG	29KG	30KG	31KG	32KG	33KG	34KG	35KG
No 9 <sup>th</sup> Dose	No 9 <sup>th</sup> Dose	No 9 <sup>th</sup> Dose	No 9 <sup>th</sup> Dose	No 9 <sup>th</sup> Dose	No 9 <sup>th</sup> Dose	No 9 <sup>th</sup> Dose	No 9 <sup>th</sup> Dose	No 9 <sup>th</sup> Dose	No 9 <sup>th</sup> Dose	No 9 <sup>th</sup> Dose

36KG
No 9 <sup>th</sup> Dose

**\*No 9<sup>th</sup> Dose d/t at max dose.**