EMS System for Metropolitan Oklahoma City and Tulsa
2017 Medical Control Board Treatment Protocols

Approved 11/9/16, Effective 2/1/17, replaces all prior versions

5F TACHYCARDIA - STABLE ADULT & PEDIATRIC

EMERGENCY MEDICAL DISPATCHER
EMERGENCY MEDICAL RESPONDER
EMT
EMT-INTERMEDIATE 85
ADVANCED EMT
PARAMEDIC

TREATMENT PRIORITIES

1. Vital signs
2. IV Access
3. Analyze rhythm
4. Rhythm specific treatment
5. Consult OLMC for pediatric pts
6. If protocol measures DO NOT control rate of adult PSVT, or convert WIDE COMPLEX TACHYCARDIA, **CONTACT OLMC**
7. OLMC Adult options include:

Narrow Complex Tachycardia
- DILTIAZEM 0.25 mg/kg SLOW IVP over 2 mins
- AMIODARONE 150 mg SLOW IVP/IVPB over 10 mins
- **SYNCHRONIZED** CARDIOVERSION
- MONITOR/TRANSPORT

Wide Complex Tachycardia
- Repeat AMIODARONE 150 mg SLOW IVP/IVPB over 10 mins
- **SYNCHRONIZED** CARDIOVERSION
- ADENOSINE 12 mg RAPID IVP IF REGULAR & MONOMORPHIC
- LIDOCAINE up to 1 mg/kg IVP at < 50 mg/min
- MONITOR/TRANSPORT

UNSTABLE (SYMPTOMATIC) tachycardia is defined by any of the following symptoms:

1. Dyspnea
2. Chest pain
3. Weakness
4. Altered mental status
5. Hypoxemia
6. Pulmonary edema

EMD

ADVISE TO AVOID PHYSICAL EXERTION OR ENVIRONMENTAL STRESS (TEMP EXTREMES).

EMR | **EMT**

GENERAL SUPPORTIVE CARE
OBTAIN VITAL SIGNS
O_2 VIA NC or NRB IF DYSPNEA OR PULSE OX < 94% AT ROOM AIR
APPLY CARDIAC MONITOR/OBTAIN 12 – LEAD ECG (if equipped)
TRANSMIT 12 – LEAD ECG TO RECEIVING EMERGENCY DEPARTMENT

EMT-I85 | **AEMT**

IV ACCESS

PARAMEDIC

ADULT: ANALYZE & TREAT PER FLOWCHART BELOW
PEDIATRIC: CONSULT OLMC FOR TREATMENT PLAN

ADULT HEART RATE ≥ 150/MIN?
AFEBRILE PEDIATRIC HEART RATE ≥ 180/MIN?

NO → TREATMENT PER OTHER APPLICABLE PROTOCOLS

YES ↓

UNSTABLE WITH SYMPTOMS **AND**
ADULT: SYS BP <100 mmHg?
PEDIATRIC: SYS BP < (70 + 2x age in years) mmHg?

YES → TREAT PER PROTOCOL 5G UNSTABLE TACHYCARDIA

NO ↓

ATRIAL FIBRILLATION
OR
ATRIAL FLUTTER

→ **OLMC ORDER ONLY**
ADULT
DILTIAZEM 0.25 mg/kg
SLOW IVP OVER 2 MINS
MAX DOSE 25 mg UP TO AGE 70 YEARS
MAX DOSE 10 mg AGE 70+ YEARS

PSVT

→ VALSALVA MANUEVER

→ ADENOSINE
12 mg RAPID IVP
MAY REPEAT AT 12 MG

WIDE – COMPLEX TACHYCARDIA
UNCERTAIN TYPE
OR
MONOMORPHIC
VENTRICULAR TACHYCARDIA

→ AMIODARONE
150 mg OVER 10 MINUTES (**VERY SLOW** IVP/IVPB)

TORSADES

→ MAGNESIUM SULFATE
1 gram SLOW IVP/IOP OVER 1 MINUTE
MAY REPEAT X1