<table>
<thead>
<tr>
<th>LOCATION</th>
<th>TYPES</th>
<th>RHYTHM</th>
<th>HR</th>
<th>ECG</th>
<th>CAUSES</th>
</tr>
</thead>
<tbody>
<tr>
<td>VENTRICULAR ARRYTHMIAS</td>
<td></td>
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<tr>
<td>P WAVE IS ABSENT</td>
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<tr>
<td>QRS COMPLEX IS WIDENED</td>
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<tr>
<td>T WAVE DEFLECTS IN OPPOSITE DIRECTION</td>
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<tr>
<td>IDIOVENTRICULAR RHYTHM</td>
<td></td>
<td>REGULAR</td>
<td>&lt; 40</td>
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</tr>
<tr>
<td>ACCELERATED IDIOVENTRICULAR RHYTHM</td>
<td></td>
<td>REGULAR</td>
<td>40-150</td>
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<tr>
<td>VENTRICULAR TACHYCARDIA [V-Tach]</td>
<td></td>
<td>REGULAR</td>
<td>150-250</td>
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<tr>
<td>TORSADES DE POINTES</td>
<td></td>
<td>IRREGULAR</td>
<td>150-250</td>
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</tr>
<tr>
<td>VENTRICULAR FIBRILLATION [V-Fib]</td>
<td></td>
<td>CHAOTIC</td>
<td></td>
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<tr>
<td>ASYSTOLE (VENTRICULAR STANDSTILL)</td>
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<tr>
<td>PULSELESS ELECTRICAL ACTIVITY (PEA)</td>
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</tbody>
</table>

AN ECTOPIC CAUSED BY ELECTRICAL IRRITABILITY IN THE VENTRICULAR CONDUCTION SYSTEM OR MUSCLE TISSUE.

MAY BE PROVOKED BY:
- ELECTROLYTE DISTURBANCE
- HYPOXIA
- ACIDOSIS
- VENTRICULAR ENLARGEMENT
- CAFFEINE
- DRUG INTOXICATION
- MYOCARDITIS

TO PREVENT VENTRICULAR STANDSTILL
WHEN NO IMPULSES ARE CONDUCTED TO THE VENTRICES FROM ABOVE THE BUNDLE OF HIS
THE CELLS OF HIS-PURKINJE SYSTEM TAKE OVER AND ACT AS THE HEART’S PACEMAKER TO GENERATE ELECTRICAL IMPULSES

WHEN ALL OF THE HEART’S OTHER PACEMAKERS FAIL TO FUNCTION
OR
THERE IS A BLOCK IN THE CONDUCTION SYSTEM

MAY PRECEDE VENTRICULAR FIBRILLATION AND SUDDEN CARDIAC DEATH
RESULTS FROM INCREASED MYOCARDIAL IRRITABILITY
CAUSED BY:
- MI
- HEART FAILURE
- CARDIOMYOPATHY
- MYOCARDIAL ISCHEMIA
- CORONARY HEART DISEASE
- VALVULAR HEART DISEASE

A SPECIAL FORM OF POLYMORPHIC VENTRICULAR TACHYCARDIA
QRS COMPLETES ROTATE ABOUT THE BASELINE DEFLECTING DOWNWARD AND UPWARD FOR SEVERAL BEATS

NO EFFECTIVE MUSCULAR CONTRACTION
NO CARDIAC OUTPUT
THE PATIENT GOES INTO CARDIAC ARREST
ECG SHOWS

THE PATIENT IS COMPLETELY UNRESPONSIVE
NO ELECTRICAL ACTIVITY IN THE HEART
NO CARDIAC OUTPUT
WITHOUT CPR AND APPROPRIATE TREATMENT
THE PATIENT TOLLS
CAUSED BY ANYTHING THAT DISRUPTS THE BLOOD SUPPLY TO THE CARDIA MUSCLE :(

HEART MUSCLE LOSES ITS ABILITY TO CONTRACT
EVEN THOUGH ELECTRICAL ACTIVITY IS PRESERVED
THE PATIENT GOES INTO CARDIAC ARREST
ECG SHOWS

BUT THERE IS NO PULSE
CAUSED BY EVERYTHING BAD YOU CAN THINK OF
THANK YOU VERY MUCH