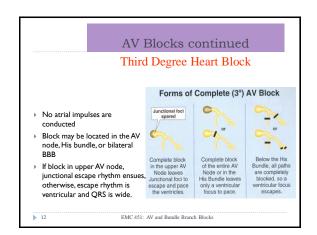
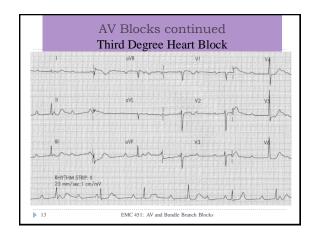
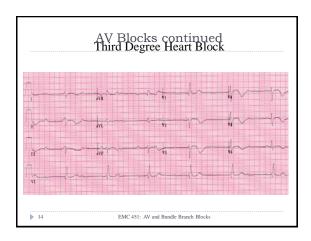


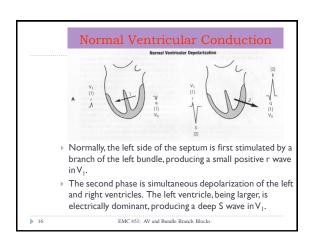
AV Blocks continued Clinical Significance Not as common as Type I AV block, and is more serious. Denotes disease in lower portions of the conduction system. Often associated with Stokes-Adams syncope and deteriorates into complete AV block. Associated with anteroseptal MI and chronic fibrotic disease of the conduction system. Indicates a high risk patient when associated with anteroseptal MI. When complete heart block develops, the escape mechanism is slow and of ventricular origin. Atropine is rarely effective in improving ventricular rate, thus requireing pacemaker insertion. Impossible to differentiate Type II with 2:1 conduction from Wenkebach with 12 lead EKG ▶ 11

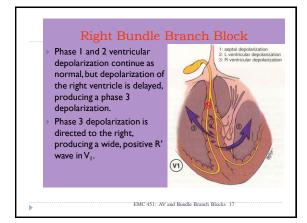


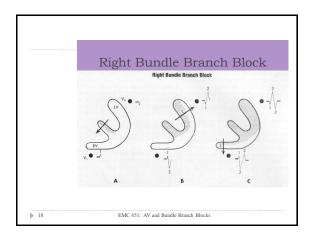


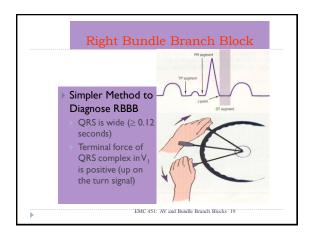


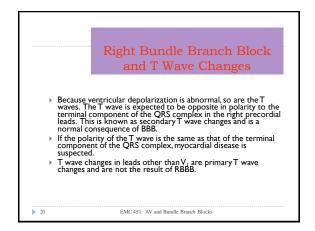
Clinical Significance of 3rd Degree Heart Block • Rate and dependability of the escape rhythm is related to the level of the lesion. • An escape at the top of the His bundle has a rate of about 55 bpm, is relatively dependable, and may not require pacemaker insertion. This type of 3rd degree block is associated with inferior MI. • Lower level lesions produce wide QRS complexes, slower rates, less dependable escape rhythms, and require pacemaker insertion. These are usually associated with anterior MI. • AV dissociation loses "atrial kick," reducing cardiac output that may result in syncope or angina. • If the block is below the AV node, increased SA firing with atropine, exercise, or catecholamines would compound the block. If the block is at the AV node, increased SA firing and AV conduction speed would improve the block.

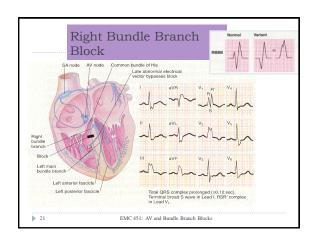


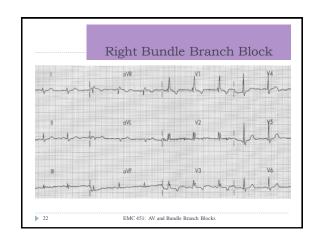


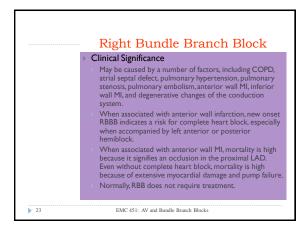


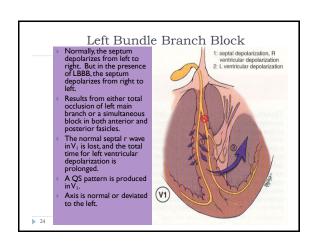


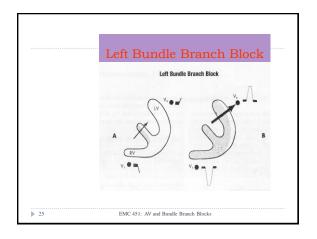


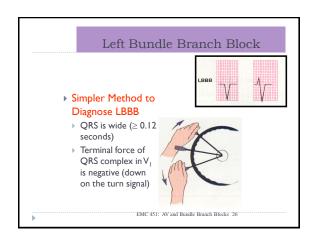












Left Bundle Branch Block • Because ventricular depolarization is abnormal, so are the T waves. The T wave is expected to be opposite in polarity to the terminal component of the QRS complex in the left precordial leads(V₅ – V₆). This is known as secondary T wave changes and is a normal consequence of BBB. • If the polarity of the T wave is the same as that of the terminal component of the QRS complex, myocardial disease is suspected. • T wave changes in leads other than V₅ – V₆ are primary T wave changes and are not the result of LBBB

