

Course Code : BSCN2004

Course Name: COMMUNITY HEALTH NURSING-I



Name of the Faculty: MS. NEHA SAINI

Course Code : BSCN2004



- Definition
- Etilogy
- Epdimiology
- Risk factor
- Sign and symptoms
- Clinical menegment
- Medical menegment

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- Surgical intervention
- Pathophysiology
- Prevention
- Nursing management
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- Coronary artery disease is the narrowing or blockage of the coronary arteries, usually caused by <u>atherosclerosis</u>.
- It is the accumulation of plaque in artery.
- CAD is also known as Cardiovascular heart disease.

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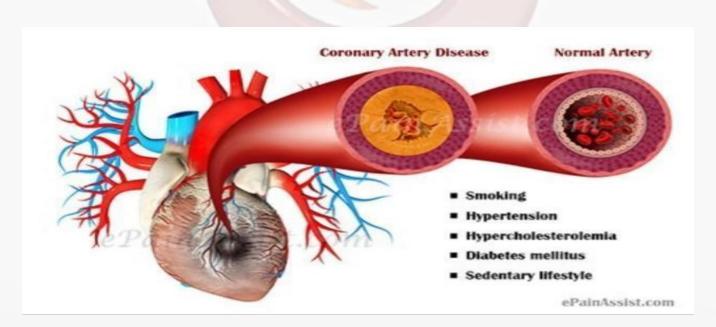


- Atherosclerosis is the main cause of Coronary heart disease.
- Atherosclerosis (sometimes called "hardening" or "clogging" of the arteries) is the buildup of cholesterol and fatty deposits (called plaques) on the inner walls of the arteries.

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# Cause of Coronary artery disease



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# Epidemiology

- *Peak incidence* 60 year for female 70 year for male
- Gender Male are more affected than woman.
- Family history CAD has been seen to run in families.
- HOST :- Human being

One person dies every 36 seconds in the United States from cardiovascular disease.

One in 4 deaths in India are now because of CVDs with ischemic heart disease and stroke responsible for >80% of this burden.

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- 1. <u>Modifiable</u>
- ciggerate smoking and tobacco chewing
- hypertension
- Obesity
- High blood cholesterol levels
- Stress
- Diabeties

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- AgeSex
- Family history
- Family history of CHD
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Sign and symptoms

- Chest pain
- Dizzynes
- Nausea
- Vomiting
- Dyspnea



# • Tachycardia

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Clinical management

• Ischemia

cardiac ischemia is the name for decrease Blood flow and oxygen to the heart muscle.

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• Angina pectoris

(chest pain)

- Inadequate cardiac output
- Dysthythmia

abnormal heart beat or lack of rhythms

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Medical manegment

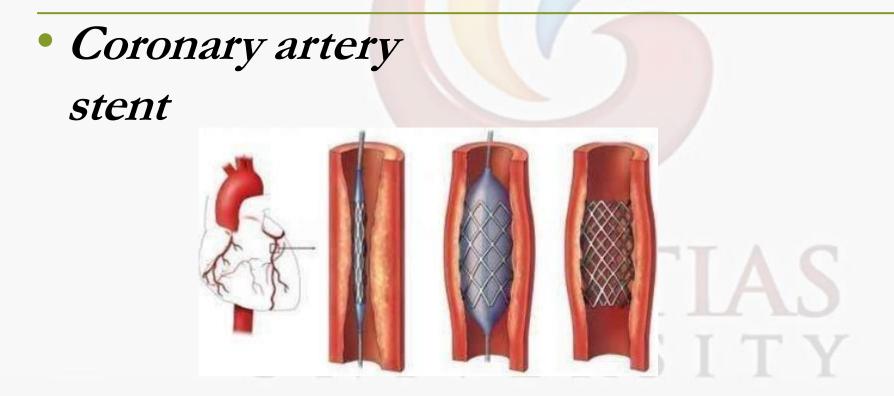
• Pharmacology intervention Beta blockers :- Reducing blood pressure Calcium channel blockers :- Reduce calcium level Statins Nitrates (ISD)

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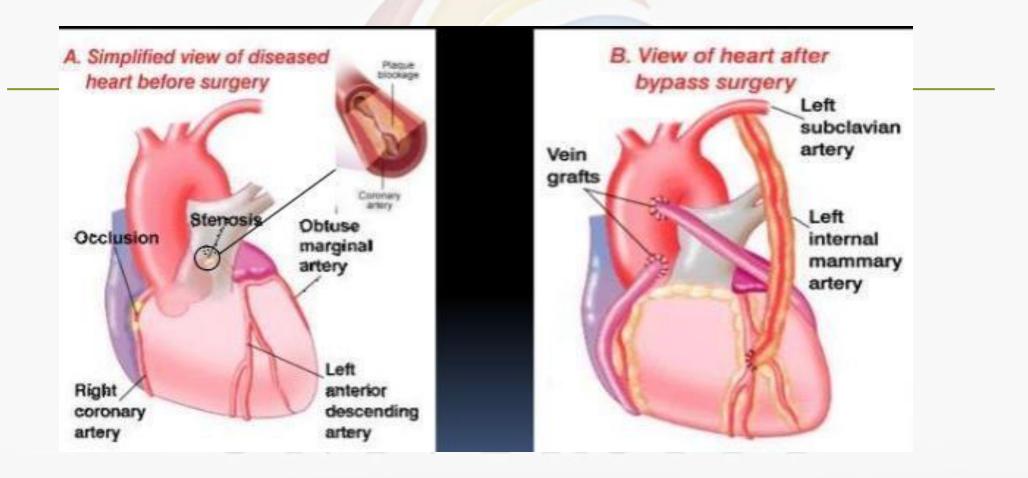
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# Surgical intervention



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#### Course Code : BSCN2004 Course Name: COMMUNITY HEALTH NURSING-I Coronary artery bypass grafting

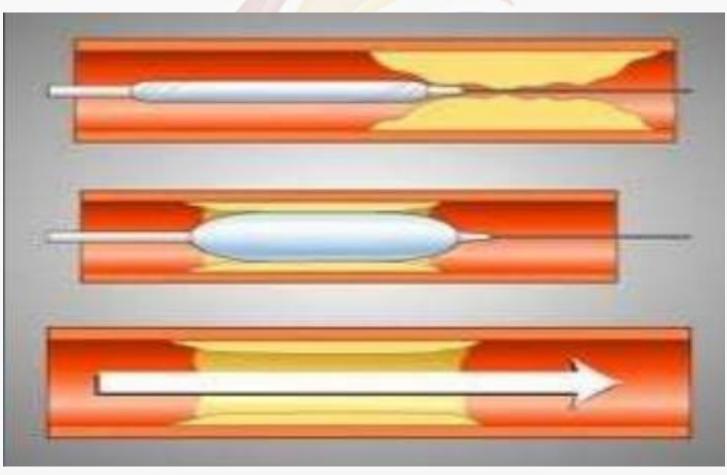


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PTCA



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- Weight control
- Exercise
- Smoking cessions
- Healthy diet
- Regular medical check up
- Control hypertension

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- Instruct the client regarding the purpose of diagnostic medical and surgical Procedure.
- Assist the client to identify risk factor that can be modified, and set the goal that will promote Change in lifestyle to reduce the impact of risk factor.
- Instruct the client regarding diet.
- Stress that dietary changes are not temporary and must be maintained for life.
- Provide community resources to client Regarding smoking exercise and stress reduction.

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- Basvanthappa B T- Essentials of Community Health Nursing,2011, Jaypee
- Gulani Community Health Nursing(principles and practice), 2012, Kumar