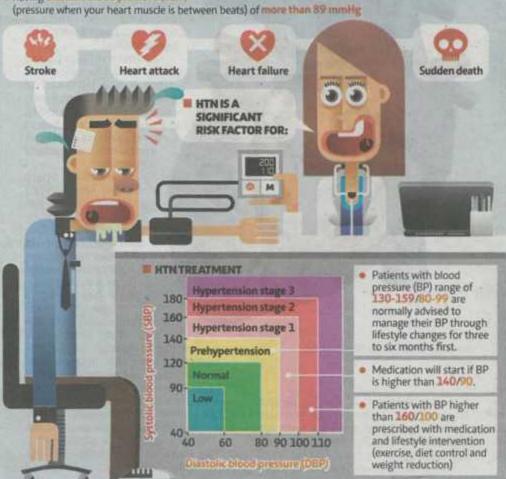
HYPERTENSION AND EXERCISE

HYPERTENSION (HTM) IS DEFINED AS:

- · Having systolic blood pressure (SBP) (pressure in arteries during contraction of heart muscle) of more than 139 mm/Hz
- · Having diastolic blood pressure (DBP)



EXERCISE PRESCRIPTION



ENDURANCE

- 150 to 300 minutes a week of moderate to vigorous activity if patient has no other chronic conditions.
- 150 to 300 minutes a week of self-paced activity if patient has other chronic conditions.



STRENGTH TRAINING

- 2-3 days a week of
- 60 to 80 per cent of your One-Rep Max. Do one set of 8-10 repetitions.



WEIGHT REDUCTION

 Weight loss will increase benefits

HTN AND AEROBIC EXERCISE



- During exercise. SBP is higher while DBP is constant or slightly higher.
- Post-exercise. 5BP is reduced by 10-20 mmHg for the first three hours. Effect may continue to up to 22 hours.

HTN AND RESISTANCE EXERCISE



- During exercise, heart rate is moderate and cardiac output increases.
- Post-exercise. blood pressure reduces.

LONG TERM-EFFECTS OF EXERCISE

- Aerobic training reduces
- SBP by 6.9 mmHg and DEP by 3.2 mmHg
- Resistance exercise reduces 58P by 3.5 mmHg and
- DBP by 3.2 mmHg



CAUTION

- If your BP is more than 180/105, consult your doctor for pharmacological treatment before starting exercise.
- If your BP is more than 200/110 on a given day, do not exercise.
- For those with cardiovascular diseases, high-intensity training should be done in rehabilitation centres under medical supervision.

