

HYPERTENSION TREATMENT PROTOCOL

STEP 1

Measure blood pressure (BP) for all adults and in all consultations by trained personnel, following the recommended protocol and using validated manometers.

STEP 2

If BP is ≥160 / 100 mmHg, start treatment immediately.

If BP is 140 / 90-159 / 99 mmHg,

STEP 3 After 4 weeks

If persists ≥140/90

STEP 4 After 4 weeks

If persists ≥140/90

STEP 5 After 4 weeks

If persists ≥140/90



If persists ≥140/90

CONFIRM that the patient has been taking the medications regularly and correctly. If so, refer the patient to a specialist.

HEALTHY LIFESTYLE COUNSELING FOR ALL PATIENTS



Stop all tobacco use, avoid secondhand tobacco smoke.



Avoid alcohol consumption.



Increase physical activity to equivalent of brisk walk 150 minutes per week.



Goal: BMI 20-25 kg/m²



Eat heart-healthy diet:

- Consume less than a teaspoon of salt a day (<5g per day);
- Eat ≥5 servings of vegetables / fruits per day;
- Use healthy oils;
- Eat nuts, legumes, whole grains and foods rich in potassium;
- Limit red meat to once or twice a week at most:
- Eat fish or other foods rich in omega 3 fatty acids at least twice a week;
- Avoid added sugars.

PRECAUTIONS

Ace inhibitors and ARBs

- ACE inhibitors (and ARBs) should not be given to women who pregnant or may become pregnant.
- They carry a small risk of angioedema; the risk is greater in people of African descent (not observed with ARBss).
- Risk of hyperkalemia, particularly if the patient has a chronic kidney disease.

Calcium channel blockers:

the use of calcium channel blockers can cause malleolar edema in up to 10% of patients, especially at high doses, if an ACE inhibitor or an ARB is not being used.

Diuretics:

can produce hypokalemia and can have adverse effects on lipid and glucose values.

SECONDARY PREVENTION

Cardiovascular risk

- Estimate the cardiovascular risk in all patients with hypertension.
- Patients with diabetes, coronary heart disease, stroke or chronic kidney disease are considered high cardiovascular risk.

Control goal

- The goal of BP is <130/80 mmHg in people with high cardiovascular risk, in patients with diabetes, coronary heart disease, stroke or chronic kidney disease.
- In patients with Type 2 Diabetes: BP <130/80 mmHg, HgbA1c <7%, LDL <100 mg / dl.

Treatment

- Add statins in all patients of high cardiovascular risk regardless of their cholesterol or LDL levels.
- Add statins in patients ≥ 40 years with moderate cardiovascular risk, with total cholesterol ≥ 5 mmol / L (190 mg / dl) or with LDL cholesterol ≥ 3 mmol / L (115 mg / dl).
- Add statins in patients ≥ 40 years with low cardiovascular risk, with total cholesterol ≥ 8 mmol / L (320 mg / dl).
- Consider adding statins in those with moderate cardiovascular risk.
- Aspirin: Add aspirin to all patients with high cardiovascular risk unless they have specific contraindications.

Last updated: