Guidelines
for the
management of
adults with
hypertension in
Bradford and
Airedale

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Advise patients with hypertension

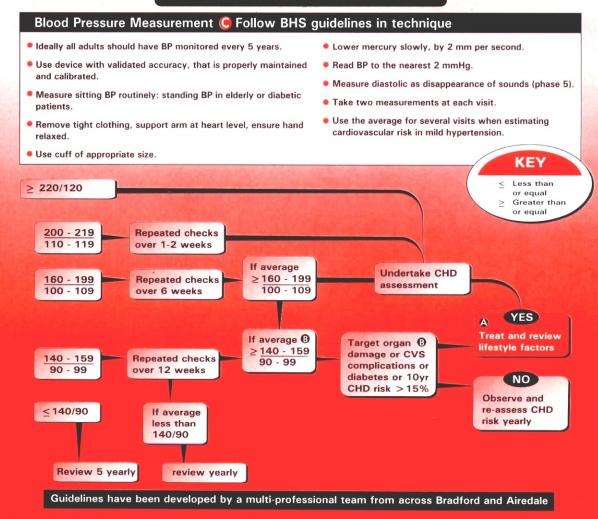
- Not to smoke
- A To eat less salt
- To be more physically active
- To keep alcohol intake to recommended weekly amount
- To eat a healthy diet
- A To achieve ideal body weight

CHD Assess

Urine strip protein, sugar and blood Serum Creatinine and Electrolytes Blood glucose Serum total Cholesterol HDL ratio ECG

Assess CHD risk using prediction chart

MANAGEMENT AND ACTION



EQUIPMENT ADVICE

Equipment used for clinical blood pressure measurement must be accurate to within ± 3mm mercury. All blood pressure measurement devices should have their calibration checked regularly, mercury annually, aneroid 6 monthly and digital annually or biannually. If considering replacing equipment, please see separate purchasing guidelines. Contact Janice Joyce (01274) 366019 or Frances Armes (01274) 364144 at BRI Medical Physics who will provide expert advice.

Choice of Antihypertensive Drug Treatment See BNF for full details of drug interactions, warnings and key points.

- Use a low dose of thiazide as first-line treatment unless there is a contraindication or a compelling indication for another drug class
- Long acting dihydropyridine calcium antagonists are a suitable alternative for isolated systolic hypertension in the elderly when low-dose thiazide is not tolerated or contraindictated
- Choice of drug will depend on relative indications and contra-indications in the individual patient. (see table below).
- Less than half of all hypertensives will be controlled on monotherapy and one-third will require three or more drugs

Compelling and possible indications, contraindications and cautions for the major classes of antihypertensive drug

Class of drug	Compelling indications	Possible indications	Possible contraindications	Compelling contraindications
Alpha-blockers	Prostatism	Dyslipidaemia	Postural hypotension	Urinary incontinence
ACE-inhibitors	Heart Failure LV dysfunction Type 1 diabetic Nepropathy	Chronic renal disease Type 2 diabetic Nephropathy	Renal impairment PVD	Pregnancy Renovascular disease
All-antagonists	ACE inhibitor-induced Cough	Heart failure Intolerance of other antihypertensive drugs	PVD	Pregnancy Renovascular disease
Beta-blockers	Myocardial infarction Angina	Heart failure	Heart failure Dyslipidaemia PVD	Asthma/COPD Heart block
Calcium antagonists (dihydropyridine)	Elderly ISH	Elderly Angina		in the second
Calcium antagonists (rate-limiting)	Angina	Myocardial infarction	Combination with Beta-blockade	Heart block Heart failure
Thiazides	Elderly		Dyslipidaemia	Gout

 For the third line drug therapy commonly used combinations are:

Diuretic
Ace inhibitor and
Long acting calcium
channel blocker



Diuretic Beta-blocker and Long acting calcium channel blocker

READ CODES