

SOPs and Job AIDs



Act **FAST** in case of a stroke

Stroke – There's treatment if you act **FAST**.



Face
Face look uneven?



Arm
One arm hanging down?



Speech
Slurred speech?



Time
✓ **Transfer To County Referral Hospital**

Diagnosis of hypertension (at facility level)

	Reading 1	Reading 2	Reading 3
Stage 1 (no multiple risk factors, no end organ damage)	Visit 1	Visit 2 (a month after visit 1)	Visit 3 (a month after visit 2)
Stage 1 (with multiple risk factors and/or organ damage)	Visit 1		
Stage 2	Visit 1		

All screened patients with multiple risk factors and/or end organ damage should be referred to a Regional facility of higher level. Interval between readings should be at least 30 minutes apart and should follow the procedure described above in table 1.

Classification of hypertension:

BP (mmHg)				
Normal	High Normal (pre-hypertension)	Stage 1: Mild Hypertension	Stage 2: Moderate Hypertension	Stage 3: Severe Hypertension
SBP 120 – 129 or DBP 80 – 84	SBP 130 – 139 or DBP 85 – 89	SBP 140 – 159 or DBP 90 – 99	SBP 160 – 179 or DBP 100 – 109	SBP > 180 or DBP > 110

When to initiate antihypertensive therapy

Hypertension is confirmed on at least 3 separate occasions within a 2-month period



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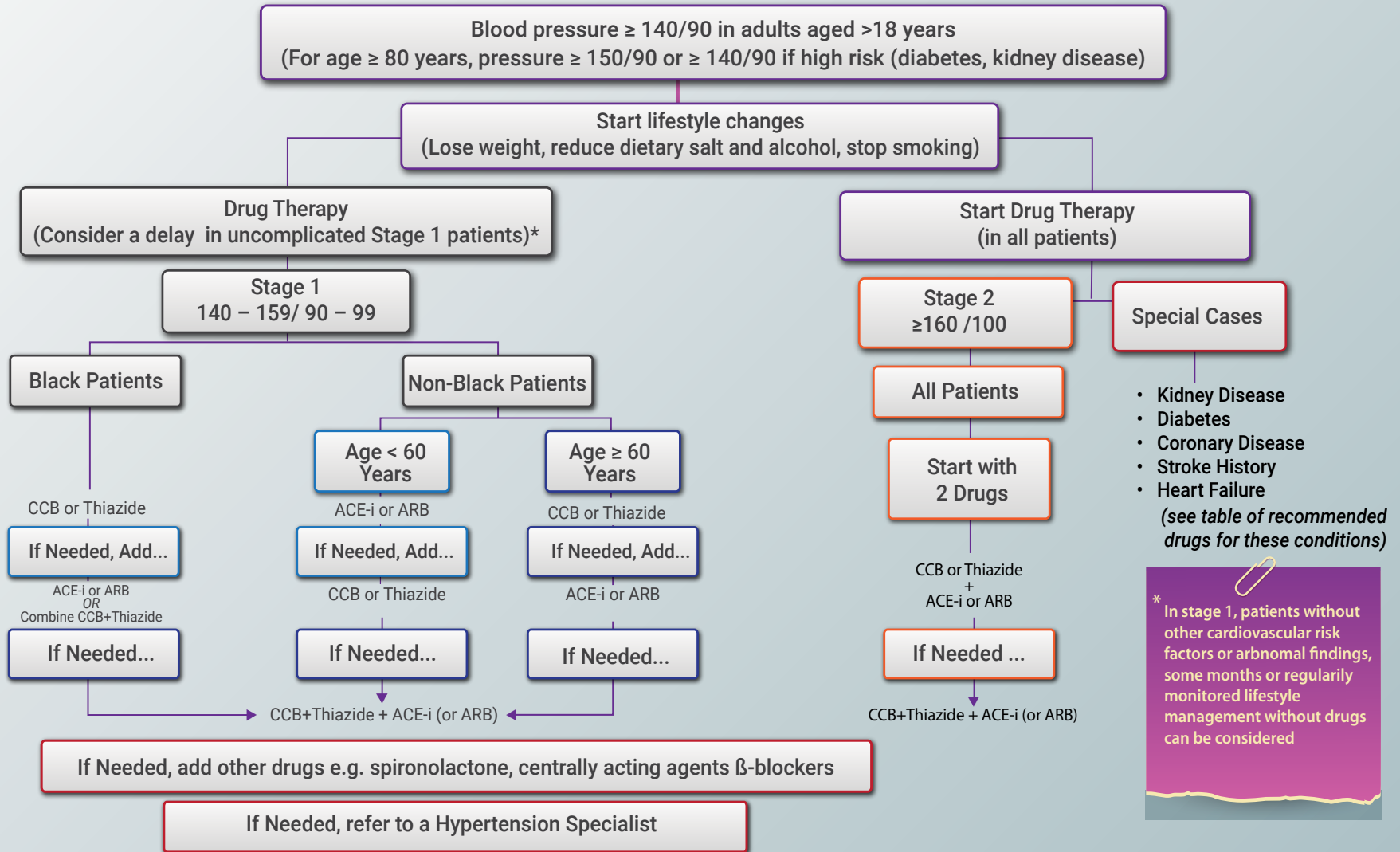
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The Hypertension Protocol



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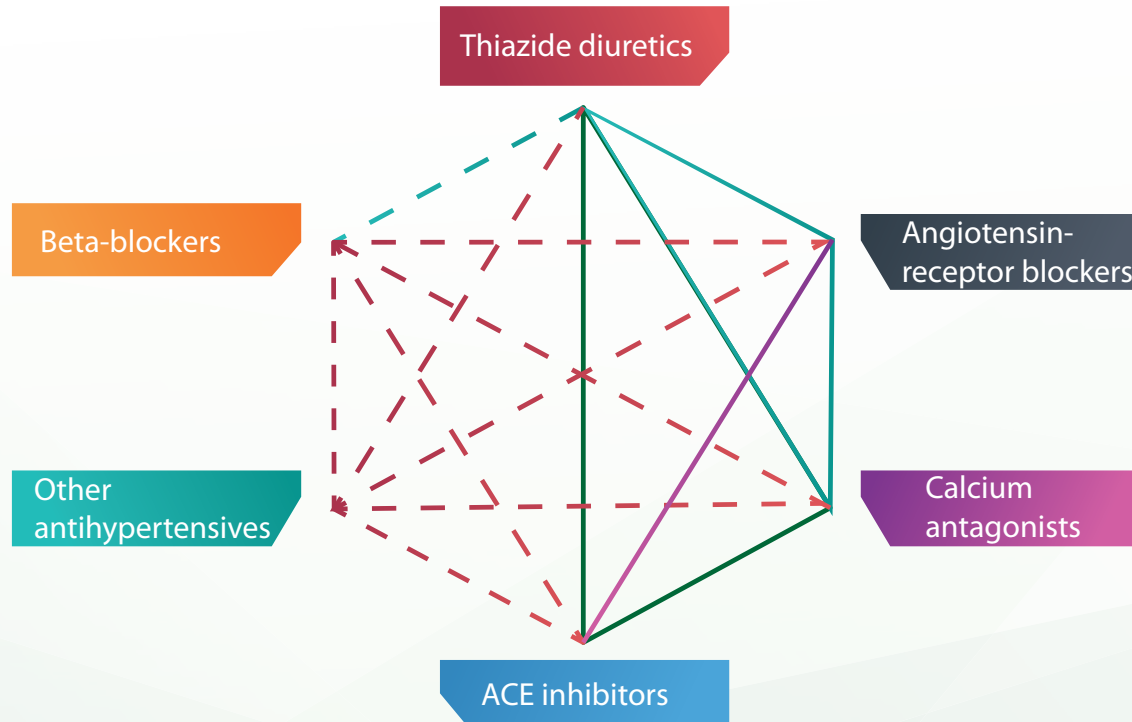
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Recommendations for Combining BP-lowering Drugs and availability as Fixed-Dose Combinations



ACE = angiotensin-converting enzyme



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Diagnosis of Diabetes

No Diabetes	Impaired fasting glucose Impaired glucose tolerance	Diabetes**
FPG < 5.6 mmol/L < 110 mg/dL	6.1 to 6.9 mmol/L 110 to 126 mg/dL	≥ 7.0 mmol/L ≥ 126 mg/dL (World Health Organization, 2006)
2hr PG < 7.8 mmol/L < 126 mg/dL	7.8 to 11 mmol/L 140 to 199 mg/dL	≥ 11.1 mmol/L ≥ 200 mg/dL (World Health Organization, 2006)
A1c (ADA only as of 08/2010)		≥ 6.5% in a lab that is certified and standardized to the DCCT assay (ADA, 2010)



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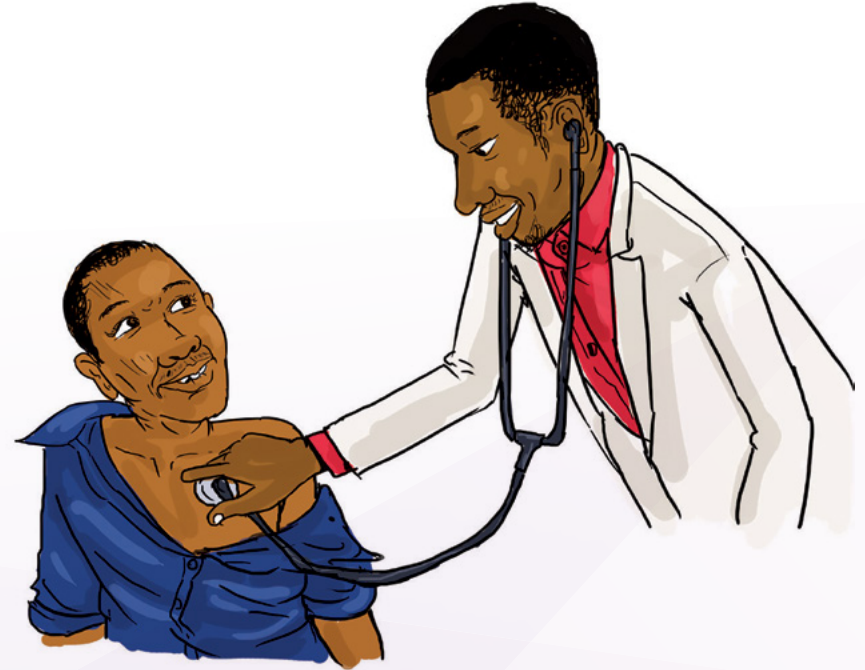


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When to Screen?

- Screening in 1st trimester
 - i. To rule out unidentified pre-existing diabetes
 - ii. Fasting plasma glucose > 126mg/dl (7 mmol/L)
or
 - iii. HbA1c > 6.5%
or
 - iv. Random >200mg/dl (11.1 mmol/L)
or
 - v. 2hr value in OGTT > 200mg/dl (11.1 mmol/L)
- If overt diabetes is detected, it must be treated appropriately.



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When to Screen for GDM?

- Screening should be done at 24 – 28 weeks
- Diagnosis based on a 75 gm glucose load given in fasting state
- GDM diagnosed when one or more of the following is present
 - i. *Fasting 92 – 125 mg/dl (5.0 – 6.9 mmol/L)*
 - ii. *1 hour post 75 gm load \geq 180 mg/dl (10 mmol/L)*
 - iii. *2 hours post 75 gm load \geq 153 mg/dl (8.5 mmol/L)*
- If woman tests negative, screening at 32 weeks also may be necessary in presence of high risks

GDM Treatment

Mild or Moderate

- Test If possible
- 15g glucose; re-test
 - Glucose tablets or gel
 - $\frac{1}{2}$ cup fruit juice
 - $\frac{3}{4}$ cup soft drink
 - 3 teaspoons sugar or honey
- Re-treat if level remains low

Rule of 15

- Take 15g of glucose
- Wait 15 minutes
- If still low treat with another 15g of glucose



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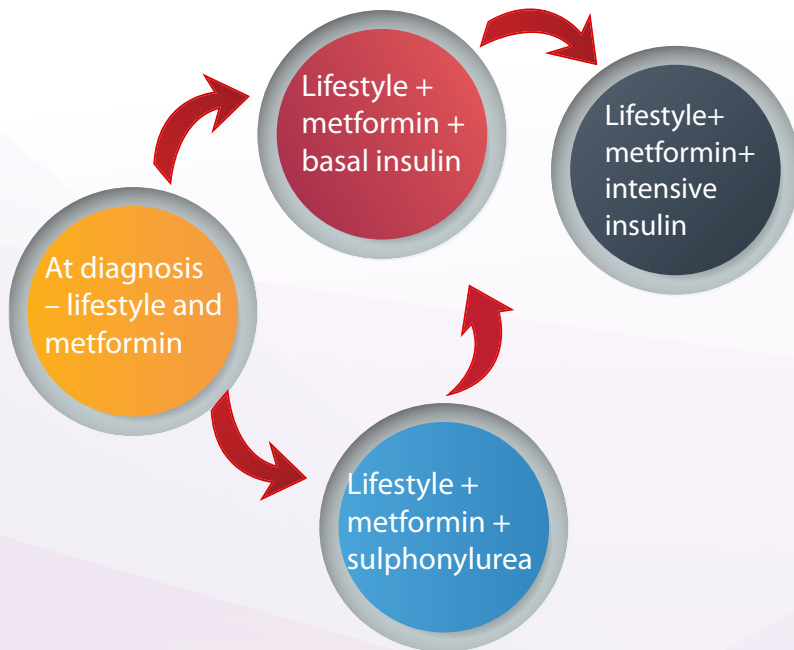
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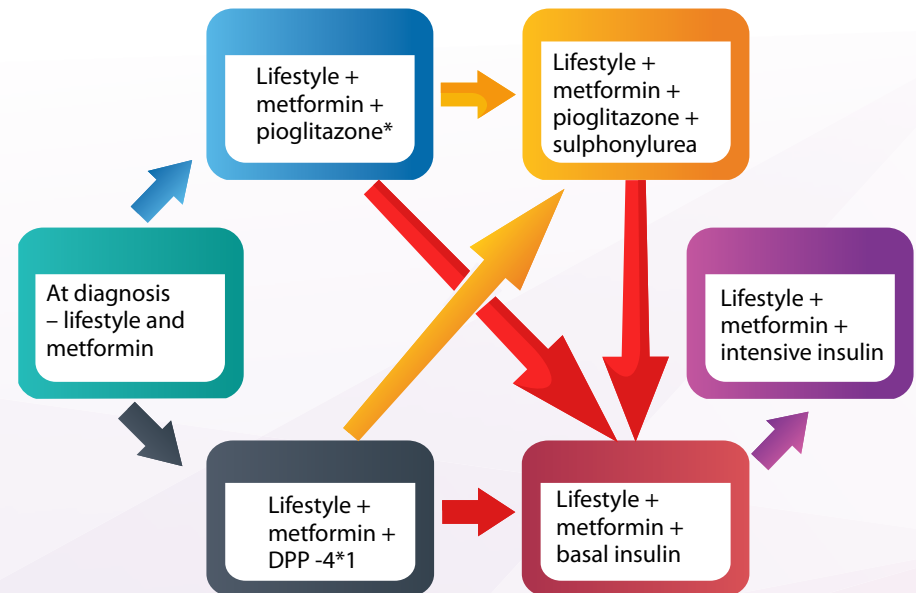
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Suggested Starting Medicine (1 of 2)



Suggested Starting Medicine (2 of 2)



*No hypoglycemia, caution oedema/CHF, bone loss

*1 no hypoglycemia, weight loss, nausea/vomiting

(Nathan, et al.,2009)



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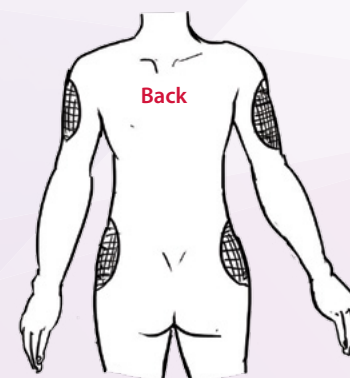
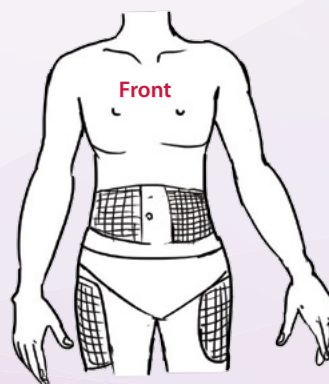


Types of Insulin and their Properties

Insulin Preparation	Onset of action	Peak action (h.)	Duration of action (.h)	Injections per day
Rapid-acting analogues – NovoRapid Humalog	10 – 20 min	1 - 2	3 - 5	Immediately before meals or with meals
Soluble Actrapid Humulin R	30 – 60 min	2 - 4	6 - 8	30 mins before meals
Intermediate (NPH) – lente insulin	1 – 2 hours	5 - 7	13 - 18	Once or twice
Biphasic mixture 30/70 Mixtard 30 Humulin 70/30	30 min	2 - 8	14 – 16 hours	Twice
Long acting analogue - Lantus	1 – 2 hours	peakless	24 hours	Once

Insulin – Administration Sites

Insulin is injected in areas with adequate subcutaneous fat



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