# DECISION CYCLE FOR PATIENT-CENTRED GLYCAEMIC MANAGEMENT IN TYPE 2 DIABETES

**GOALS** 

**OF CARE** 

• Prevent complications

• Optimise quality of life

# **REVIEW AND AGREE ON MANAGEMENT PLAN**

- Review management plan •
- Mutual agreement on changes •
- Ensure agreed modification of therapy is implemented in a timely fashion to avoid clinical inertia
- Decision cycle undertaken regularly (at least once/twice a year)

## **ONGOING MONITORING AND** SUPPORT INCLUDING:

- Emotional well-being
- Check tolerability of medication
- Monitor glycaemic status
- Biofeedback including SMBG, weight, step count, HbA1,, BP, lipids

# **IMPLEMENT MANAGEMENT PLAN**

Patients not meeting goals generally • should be seen at least every 3 months as long as progress is being made; more frequent contact initially is often desirable for DSMES

ASCVD = Atherosclerotic Cardiovascular Disease CKD = Chronic Kidney Disease HF = Heart Failure DSMES = Diabetes Self-Management Education and Support SMBG = Self-Monitored Blood Glucose

# **ASSESS KEY PATIENT CHARACTERISTICS**

- Current lifestyle
- Comorbidities i.e. ASCVD, CKD, HF .
- Clinical characteristics i.e. age, HbA<sub>10</sub>, weight
- Issues such as motivation and depression .
  - Cultural and socio-economic context

# **CONSIDER SPECIFIC FACTORS WHICH IMPACT CHOICE OF TREATMENT**

- Individualised HbA<sub>1c</sub> target
- Impact on weight and hypoglycaemia
- Side effect profile of medication
- Complexity of regimen i.e. frequency, mode of administration
- Choose regimen to optimise adherence and persistence
- Access, cost and availability of medication

## **SHARED DECISION-MAKING TO CREATE A** MANAGEMENT PLAN

- Involves an educated and informed patient (and their family/caregiver)
- Seeks patient preferences
- Effective consultation includes motivational interviewing, goal setting and shared decision-making
- Empowers the patient
- Ensures access to DSMES

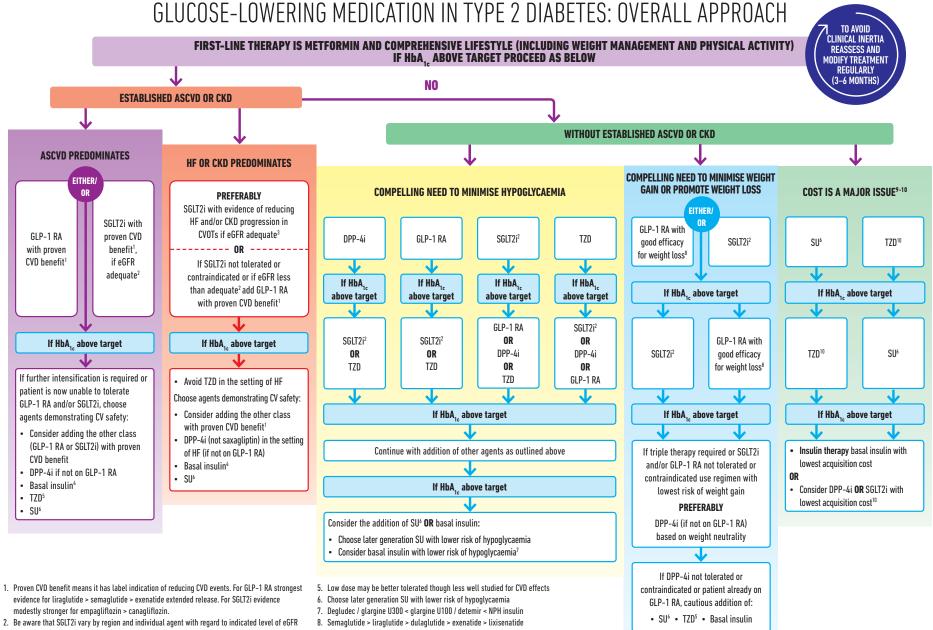
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AGREE ON MANAGEMENT PLAN

- Specify SMART goals:
  - \_

  - Achievable
- Time limited

- - **S**pecific
  - Measurable
- **R**ealistic

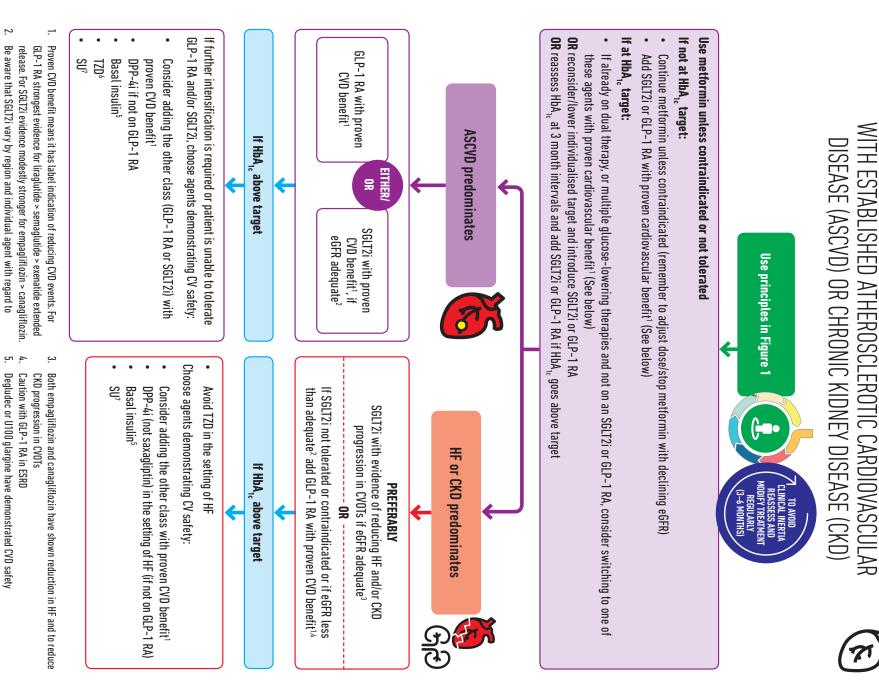


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3. Both empaquificzin and canagliflozin have shown reduction in HF and reduction in CKD

- Both empaguitozin and canaguitozin have shown reduction in HF and reduction in LM progression in CVOTs
- 4. Degludec or U100 glargine have demonstrated CVD safety

- If no specific comorbidities (i.e. no established CVD, low risk of hypoglycaemia and lower priority to avoid weight gain or no weight-related comorbidities)
- 10. Consider country- and region-specific cost of drugs. In some countries TZDs relatively more expensive and DPP-4i relatively cheaper

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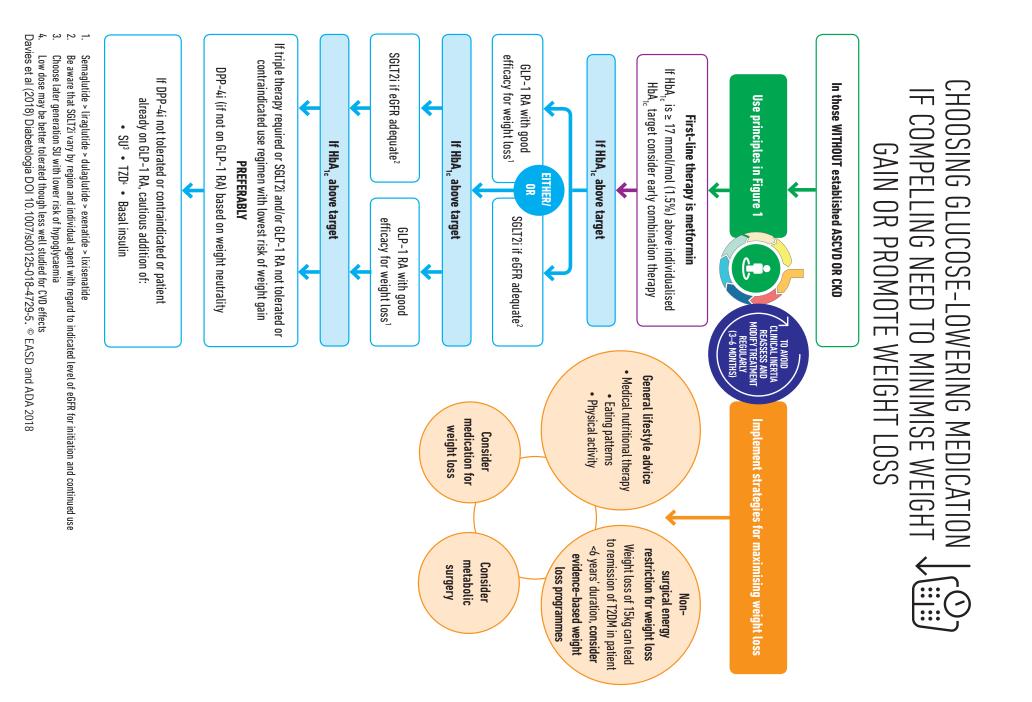


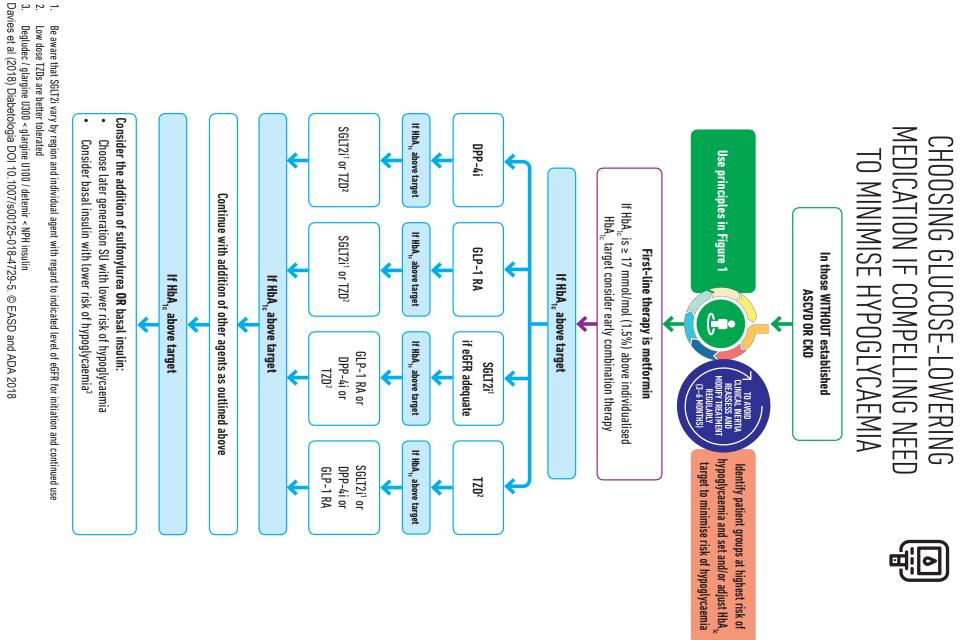
CHOOSING GLUCOSE-LOWERING MEDICATION IN THOSE

Be aware that SGLT2i vary by region and individual agent with regard to indicated level of eGFR for initiation and continued use

- Davies et al (2018) Diabetologia DOI 10.1007/s00125-018-4729-5. © EASD and ADA 2018
  - Choose later generation SU to lower risk of hypoglycaemia

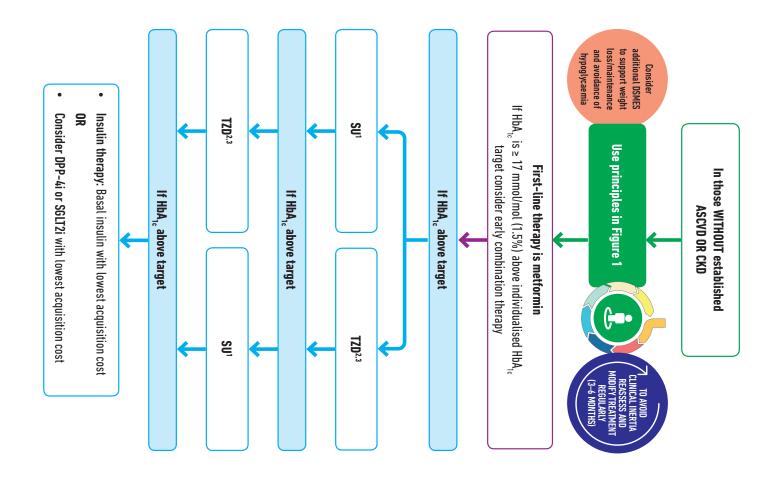
  - Low dose may be better tolerated though less well studied for CVD effects





# MEDICATION IF COST IS A MAJOR ISSUE

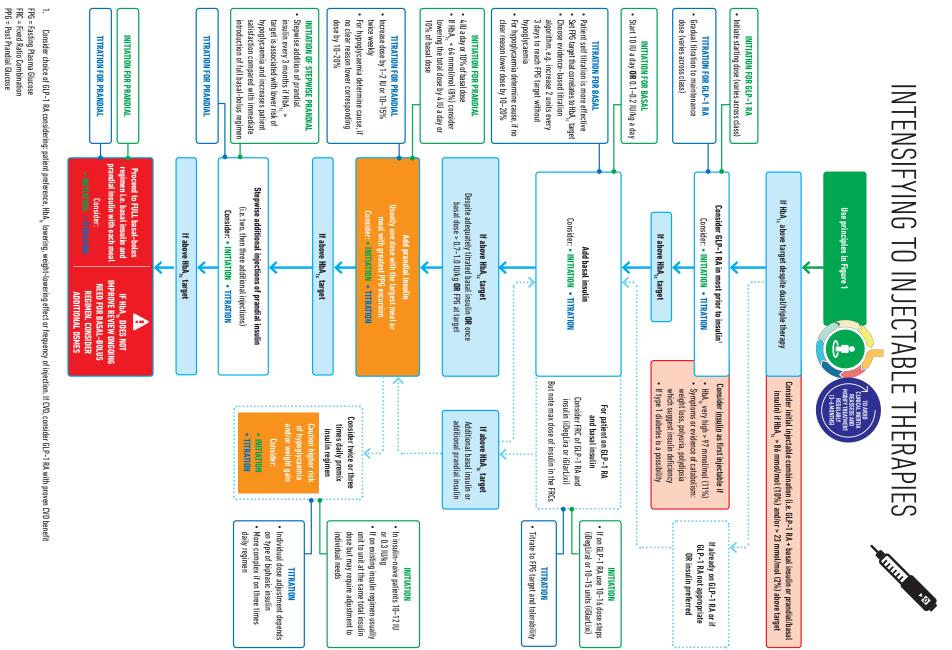




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Choose later-generation SU to minimise risk of hypoglycaemia Consider country- and region-specific cost of drugs. In some countries, TZD relatively more expensive and DPP-4i relatively cheaper Low-dose TZDs are better tolerated

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Prb = host Pranal bucose Davies et al (2018) Diabetologia DOI 10.1007/s00125-018-4729-5. © EASD and ADA 2018

# CONSIDERING ORAL THERAPY IN COMBINATION WITH INJECTABLE THERAPIES



# METFORMIN

SGLT2i



with metformin Continue treatment





OR reduce dose commencing insulin Stop TZD when



treatment Consider adding SGLT2i if If on SGLT2i, continue Established CVD

- If HbA<sub>1c</sub> above
- reduction aid target or as weight



Beware

- DKA (euglycaemic) Instruct on sick-day rules
- Do not down-titrate insulin over-aggressively

# **SULFONYLUREA**

DPP-4i



basal insulin initiated dose by 50% when If on SU, stop or reduce



prandial insulin initiated or on a premix regimen Consider stopping SU if



**GLP-1 RA initiated** 

Stop DPP-4i if