NWL REWIND Type 2 Diabetes Pathways

(**REWIND**: **RE**ducing Weight with **IN**tensive **D**ietary support)

Inclusion, Exclusion Criteria, Coding, Medication Protocols

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NWL REWIND Type 2 Diabetes Simplified Pathway



NWL REWIND Type 2 Diabetes Detailed Referral Pathway





NWL REWIND Type 2 Diabetes Detailed Management Pathway



Total Diet Replacement: Primary Care Prescribing Protocol

BASELINE	ELIGIBILITY BASELINE METRICS GLUCOMETER	Check inclusion / exclusion criteria HbA1c, BP and BMI within 3 months Issue glucometer with 50 strips. Ensure that patient knows how to self-test and when to seek help
DAY 1	DIABETES MEDICATIONS	People on 1-2 glucose-lowering agents should stop these agents on the first day of TDR (Note TDR only group sessions begin at week 2) People on ≥ 3 agents should stay on metformin only (or, if not taking metformin as it is contraindicated / not tolerated, stay on an oral agent which is safe with TDR, e.g. DPP4 inhibitor or pioglitazone) and stop the remaining glucose-lowering agents on the first day of TDR
	ANTIHYPERTENSIVES	Sulfonylureas, meglitinides, SGLT2 inhibitors are not safe with TDR and MUST be stopped on the first day of TDR IF BP > 140/80, CONTINUE Antihypertensive medication IF BP ≤ 140/80, STOP ONE Antihypertensive medication. Order for STOPPING medication: Alpha blocker (if prescribed for hypertension) Beta blocker (continue if used for heart failure/post MI) Amiloride / Spironolactone (continue spironolactone if used for heart failure) Thiazide or thiazide-like diuretic or Calcium channel blocker ACEI or ARB (if hypertension only), consider only REDUCING dose if heart failure, previous MI or raised ACR
	LIPID MEDICATIONS	CONTINUE Fibrate, Statin, Ezetimibe
WEEK 1 & 2	CHECK BP, Review glucometer readings	If systolic BP > 165mmHg on repeated measurement RESTART one drug (see below) If significant osmotic symptoms (thirst, polyuria) or random capillary glucose is > 15 mmol/L , check that weight loss is as anticipated. If it is not, discuss whether any other help needed with diet. If weight loss is satisfactory but blood glucose is still high, consider introducing an oral hypoglycaemic agent. Start at the lowest dose and increase gradually. If blood glucose remains high, titrate or add further agents
MONTHS 1 & 2	CHECK BP, Review glucometer readings	TITRATE antihypertensive medication to achieve target BP of ≤ 130-140/80
MONTH 3	CHECK BP, weight, HbA1c; Review glucometer readings	TITRATE antihypertensive medication to achieve target BP of ≤ 130-140/80
MONTH 6	CHECK BP, weight, HbA1c; Review glucometer readings	TITRATE antihypertensive medication to achieve target BP of ≤ 130-140/80
MONTH 12	CHECK BP, weight, HbA1c; Review glucometer readings	TITRATE antihypertensive medication to achieve target BP of ≤ 130-140/80
HYPOGLYCAEMIC MEDICATION If HbA1c above target or rando restart one diabetes medicatio	m capillary glucose consistently over 15mmol/L,	ANTIHYPERTENSIVE MEDICATION TITRATION If Systolic BP > 165mmHg in weeks 1-2 or > 130-140mmHg thereafter, restart antihypertensive in line with NICE and <u>NWL guidelines</u>



Low Carb Diet: Primary Care Prescribing Protocol

BASELINE	ELIGIBILITY	Check inclusion / exclusion criteria
	BASELINE METRICS	HbA1c, BP and BMI within 3 months
	GLUCOMETER	Issue low cost glucometer with 50 strips as acute. Ensure that patient knows how to self-test and when to seek help
DAY 1	DIABETES MEDICATIONS	STOP Glitazone, SGLT-2 inhibitor (risk of ketoacidosis with SGLT-2) (Note: Low Carb group sessions begin in week 1)
		STOP Sulphonylurea or Meglitinide if HbA1c < 70. Monitor BMs more frequently
		CONTINUE Metformin (discuss merits with patient). Stop when target HbA1c achieved.
		CONTINUE DPP-4 inhibitor or GLP-1 UNTIL TARGET HbA1c REACHED. Stop when achieved. (consider changing GLP-1 inhibior to semaglutide - cost effectiveness)
		IF BP > 120/80, CONTINUE Antihypertensive medication
	ANTIHYPERTENSIVES	IF BP ≤ 120/80, STOP ONE Antihypertensive medication: Order for STOPPING medication: Alpha blocker (if prescribed for hypertension) Beta blocker (continue if used for heart failure/post MI) Amiloride / Spironolactone (continue spironolactone if used for heart failure) Thiazide or thiazide-like diuretic or Calcium channel blocker ACEL or ARB (if hypertension only), consider only REDUCING dose if heart failure, previous MI or raised ACR
	LIPID MEDICATIONS	CONTINUE Fibrate, Statin, Ezetimibe
WEEK 1 & 2	CHECK BP, Review glucometer readings	If systolic BP > 165mmHg on repeated measurement RESTART one drug (see below) If significant osmotic symptoms (thirst, polyuria) or random capillary glucose is > 15 mmol/L , check that weight loss is as anticipated. If it is not, discuss whether any other help needed with diet. If weight loss is satisfactory but blood glucose is still high, consider introducing an oral hypoglycaemic agent. Start at the lowest dose and increase gradually. If blood glucose remains high, add further agents
MONTHS 1 & 2	CHECK BP, Review glucometer readings	TITRATE antihypertensive medication to achieve target BP of ≤ 130-140/80
MONTH 3	CHECK BP, weight, HbA1c; Review glucometer readings	TITRATE antihypertensive medication to achieve target BP of ≤ 130-140/80
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MONTH 12	CHECK BP, weight, HbA1c; Review glucometer readings	TITRATE antihypertensive medication to achieve target BP of ≤130-140/80
		ANTIHYPERTENSIVE MEDICATION TITRATION If Systolic BP > 165mmHg in weeks 1-2 or > 130-140mmHg thereafter, restart antihypertensive in line with NICE and <u>NWL guidelines</u>



Monitoring of Blood Glucose Levels



NOT ACHIEVING TARGET WEIGHT LOSS OR HbA1c

Onwards referral:

If patient drops out, does not achieve weight loss target (10-15kg) or has significant (e.g. mental health) complexity which is interfering with weight loss, consider onwards referral to:

- Tier 3 weight management services e.g. consideration of bariatric surgery
- Conventional structured education

