| | Type 2 Diabetes Exercise Action Plan (Lifestyle C - other than Insulin and | |
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| | This resource is designed to be used by an Ex | |
| | Ilar monitoring of blood glucose (e.g. establishing glucose trend prior t g or changing an exercise program. | o exercise) is not generally necessary as risk of hypoglycaemia is relatively low. It is |
| | Guidelines for Sta | arting Exercise |
| Glucose Level: | OK to exercise | |
| 5.5 – 15.0mmol/L | * Ensure medication taken as prescribed * If previous foot or nerve problems check feet before and after exercise | * Ensure adequate fluid intake cise * Avoid exercise in extremes of temperature |
| Glucose Level: | Below target glucose - Exercise with caution | |
| 4.0 – 5.4mmol/L | Perform exercise with caution. If exercise >1 h additional carbohydrates likely needed. Monitor glucose trend during exercise. | |
| Glucose Level: | Hyperglycaemia but feel well – Exercise with caution | |
| >15.0mmol/L | Perform exercise with caution (may be beneficial in lowering glucose |). Monitor glucose trend during exercise and increase fluid intake. |
| Glucose Level: | Hypoglycaemia or Hy | perglycaemia - Not safe to start exercise |
| DO NOT EXERCISE – If hy | | rom another individual to treat the event. ance but the intended exercise is potentially unsafe (e.g. swimming, skiing, surfing, etc.). trembling, anxiety, hunger, weakness, dizziness, inability to think straight). |
| <4.0mmol/L | Delay Exercise - Treat hypoglycaemia: Consume one serve of fast a | acting carbohydrates and re-test after 15 min. If still wishing to exercise, ensure glucose leve rate. Do low to moderate intensity exercise and closely monitor glucose, re-test every 15 min afe (e.g. swimming, skiing, surfing etc.). |
| >15.0mmol/L | DO NOT EXERCISE – If feeling unwell, tired, weak, thirsty and/or free If glucose level is frequently >15.0mmol/L, schedule review with | equently urinating. |
| - 100mL Lucozade | - 7 small or 4 large jelly beans - | Slow Acting Carbohydrate (15g=one serve) examples: One serve as follow up treatmen250mL plain milk- I tub (200g) yoghurt- 1 slice of bread2 sweet plain biscuits- 1 piece of fruit- next meal (if served within 30 min) |

| | Guidelines for During Exercise | |
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| High-intensity exercise or | greater reductions in glucose during aerobic exercise than individuals with reduced cardiorespiratory fitness. resistance exercise before aerobic exercise will attenuate the decrease in glucose compared to aerobic exercise alone. ercise cool down after high-intensity or resistance exercise will attenuate the glucose rise compared to performing high-intensity or resistance exercise alone. | |
| Glucose Level: | Below target glucose - Exercise with caution | |
| <5.5mmol/L | - Consume fast acting carbohydrates if next meal not planned within 30 min – one serve per hour with gentle exercise, two serves per hour with moderate- intensity exercise, four serves per hour with vigorous or high-intensity exercise. Alternative approach = 0.3-0.5g carbohydrate per kg of body mass per hour activity. | |
| | If this occurs frequently, schedule review with Diabetes Healthcare Professional. | |
| Glucose Level: | Rising glucose - Exercise with caution | |
| Rises above pre- exercise level | Ensure medications have not been missed. Rise is more likely with higher intensity exercise such as weight lifting, sprints and racing. Rise may also be due to food consumed within the last 90 min. Monitor the rise but be prepared for the fall in glucose later – may require correction in carbohydrate consumption. | |
| Glucose Level: | Hypoglycaemia - Not safe to continue exercise | |
| <4.0mmol/L | STOP EXERCISING – Consume one serve of fast acting carbohydrate and re-check after 15 min. If glucose is still <4.0mmol/L repeat one serve fast acting carbohydrate. Once glucose is ≥4.0mmol/L consume one serve slow acting carbohydrate if next meal is more than 30 min away. Only resume exercise when glucose is ≥5.5mmol/L. If this occurs frequently schedule review with a Diabetes Healthcare Professional. | |

If the glucose level is of concern and/or is within orange or red areas of the Action Plan recurrently, the following should be discussed and reviewed with a Diabetes Healthcare Professional.

- Type of medications to lower glucose
- Timing of medications
- Glucose trend prior to exercise
- Timing and amount of previous food intake

- Presence and severity of diabetes complications
- Use of other medications secondary to diabetes
- Intensity, duration and type of exercise
- Time of day conducting exercise