

Food, Mood & Balance

Simple, science-backed strategies for stable energy, mood, and hormone balance

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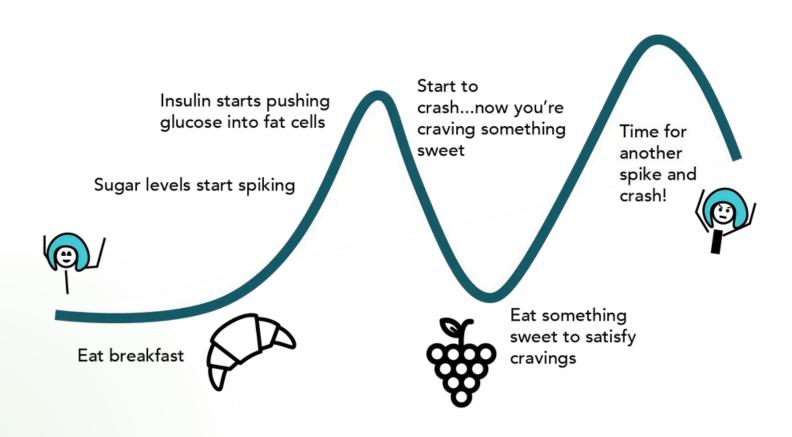


Your Mood Starts with Your Metabolism

Your energy, focus, and mood aren't random – they're deeply connected to your blood sugar balance. When glucose levels swing too high or too low, it doesn't just affect energy. It changes brain chemistry, stress hormones, and how calm or reactive you feel.

Stable blood sugar means:

- Steady energy all day
- Fewer cravings
- Balanced moods, and
- Better hormone and nervous system function.





MOOD

People with poor insulin sensitivity are more likely to experience depression or irritability.



ENERGY

Large glucose spikes lead to larger crashes in alertness and motivation.



RESEARCH SHOWS



HORMONES

High insulin levels disrupt normal hormone rhythms and ovulation, especially in women.



STRESS

Cortisol raises blood sugar chronic stress keeps levels high and drives cravings.

BOTTOM LINE



Steady Energy, Stable Mood – Made Simple

MEAL	EXAMPLE	WHY IT WORKS
Breakfast	Vegetable omelette You can choose to add additional protein of choice eg bacon, chicken, beef etc	Protein + fibre + fat for a stable start
Snack	Greek yoghurt + chia + berries	Balances sweet with protein & fibre
Lunch	Mason jar Salad	Mixed macros = stable glucose
Snack	Handful of walnuts + apple	Fibre + fat slows digestion
Dinner	Slow-cooked beef & lentil stew + steamed broccoli	Iron + fibre + sustained energy

Veggie Omelette (with optional protein add-ins)

A balanced, savoury start to your day for stable energy and calm focus.

Ingredients (per serve):

- 2 eggs (or 3 for higher protein)
- 1 small carrot, grated
- 1 tomato, diced
- Handful of spinach or kale
- 1 tsp olive oil or butter
- Sea salt, pepper, herbs to taste



Optional extra protein:

- ½ cup cooked chicken breast or turkey mince
- 40 g smoked salmon
- 1/4 cup cottage cheese or feta (if tolerated)
- ½ cup lentils or black beans for a plant-based option

Directions:

- 1. Whisk eggs, season into a bowl and set aside.
- 2. Add grated carrot, tomato, and greens to a medium-high heat pan. Cook for 5 minutes (until wilted and cooked)
- 3. Pour in whisked eggs over top of the veggies and put a lid on to steam for 6-7 minutes.
- 4. Once done, let cool for 4 minutes and then fold in half, to transfer to a plate or container (for meal prep).
- 5. You can choose to serve with additional avocado slices or seeds for healthy fats.

Veggie Omelette (with optional protein add-ins)

Why it helps regulate blood sugar:

- High protein and healthy fats delay gastric emptying and slow glucose absorption, keeping blood sugar stable for hours. (Nutrients, 2021)
- Non-starchy vegetables add fibre, further flattening the post-meal glucose curve.

Starting your day with a savoury, protein-forward meal sets a stable tone for the rest of the day – shown in research to reduce cravings and mood fluctuations linked to blood sugar dips.



Mason Jar Salads

Fresh, convenient, and blood sugar-friendly – perfect for prepping in advance without losing quality.

Why I love them:

Mason jar salads can be prepped 3-4 days ahead and stay fresh because of strategic layering – dressings at the bottom, dry ingredients on top. It's the easiest way to make healthy lunches you'll actually eat!



LAYER	INGREDIENTS	WHY IT WORKS	
Dressing (bottom)	Olive oil, tahini, lemon, or balsamic	Healthy fats support insulin sensitivity	
Hearty veg/grains	Tomatoes, Cucumber, beetroot, quinoa, lentils	Adds fibre + slow carbs = smoother glucose rise	
Protein	Chicken, tuna, tofu, boiled eggs, chickpeas	Protein stabilises blood sugar response	
Crunch & colour	Carrot, capsicum, corn, herbs	Antioxidants reduce inflammation tied to insulin resistance	
Greens (top)	Spinach, rocket, kale	Keeps texture crisp and nutrient-dense	
Toppings (optional)	Seeds, nuts, feta, avocado	Adds fats that further flatten glucose spikes	

To serve:

Shake and tip into a bowl – the dressing coats everything evenly.

Flavour ideas:

- Mediterranean: Lemon-olive oil dressing, chicken, cucumber, tomato, olives, feta.
- Mexican: Lime dressing, black beans, corn, capsicum, coriander.
- Asian-inspired: Sesame dressing, tofu, cabbage, carrot, edamame, mint.

Why it helps regulate blood sugar:

- Balanced macronutrients (protein + fat + fibre) slow glucose absorption and prevent energy dips.
- **Meal prep consistency** supports steadier blood sugar through the week structure reduces skipped meals and reactive eating.
- Fibre-rich veg and healthy fats improve gut health and glucose control



Slow-Cooked "Dump & Go" Protein Base (3 Ways to Serve)

Base Ingredients:

- 800 g lean beef or chicken thighs
- 1 onion, chopped
- 2 cloves garlic
- 1 tin crushed tomatoes (400 g)
- 1 tbsp olive oil
- 1 tsp smoked paprika
- 1tsp cumin
- Salt & pepper

Method:

- 1. Add all ingredients to the slow cooker.
- 2. Cook on low 6-8 hrs (or high 3-4 hrs) until tender.
- 3. Shred meat and use in different meals.

Serve it three ways:

- 1. **Burrito Bowl:** Serve over brown rice or quinoa with beans, avocado, and salsa.
- 2. Wholegrain Burger or Wrap: Add salad, yoghurt dressing, and leafy greens.
- 3. **Protein Power Salad:** Combine with roast veggies and olive oil.

Why it helps regulate blood sugar:

- Lean protein + tomato base give slow, steady energy without refined carbs.
- Cook-once meal prep reduces stress spikes (and therefore cortisol-driven glucose spikes).

Eating protein and veggies before carbs aligns with *meal* sequencing research from *Diabetes Care (2019)* – flattening post-meal glucose curves by up to 70%.

Blood Sugar Balance Checklist

01	Start your day with a protein-rich, savoury breakfast	
02	Include protein + fibre + healthy fats at every meal	
03	Eat veggies and protein before carbs	
04	Walk 10 minutes after meals	
05	Limit caffeine on an empty stomach	
06	Prioritise 7-9 hours of sleep	
07	Calm your cortisol with sunlight, breathing, journaling	

Blood Sugar & Mood / Mental Health

Chen Y, Lin H, Xu J et al. Estimated glucose disposal rate is correlated with increased depression: a population-based study. BMC Psychiatry. 2024; 24(1):176.

https://bmcpsychiatry.biomedcentral.com/articles/10.1186/s12888 -024-06257-2

Fernandes B S et al. Insulin resistance in major depressive disorder: A meta-analysis of metabolic disturbance and depression.

Neuroscience & Biobehavioral Reviews. 2022; 132:10471059.https://www.sciencedirect.com/science/article/pii/S01497634
22002470

de Wit M et al. Glucose variability and mood in adults with type 1 diabetes: An ecological momentary-assessment study. Journal of Psychiatric Research. 2023; 161:34-41. https://www.sciencedirect.com/science/article/pii/S002239992300

Ye M et al. Hypoglycaemia and cognitive dysfunction: a meta-analysis. Frontiers in Endocrinology. 2024; 15:1364789. https://www.frontiersin.org/articles/10.3389/fendo.2024.1364789/f ull

Energy, Sleep & Insulin Sensitivity

Sondrup N et al. The effect of sleep restriction on insulin sensitivity: a systematic review and meta-analysis. Sleep Medicine Reviews. 2022; 63:101627. https://doi.org/10.1016/j.smrv.2022.101627

Maloney A et al. Sleep loss, glycaemic control and exercise: an integrative narrative review. Sleep Advances. 2024; 5(1):zpae005. https://academic.oup.com/sleepadvances/article/5/1/zpae005/7514584

Hormones & Insulin Resistance

Hajam Y A et al. Pathophysiology of polycystic ovary syndrome: interplay between insulin resistance and hormonal imbalance. The Lancet Regional Health – Southeast Asia. 2024; 18:100276. https://doi.org/10.1016/j.lansea.2024.100276

Parker J et al. Insulin resistance and ovarian steroidogenesis: mechanistic insights and clinical implications. Journal of Clinical Medicine. 2025; 14(2):112. https://www.mdpi.com/2077-0383/14/2/112

Stress, Cortisol & Glucose Regulation

Mosili P et al. Hyperglycaemia and hypothalamic–pituitary–adrenal-axis hyperactivity: a bidirectional relationship. Frontiers in Endocrinology. 2024; 15:1324987.

https://www.frontiersin.org/articles/10.3389/fendo.2024.1324987/f

StatPearls. Cortisol Physiology. Updated 2023. Treasure Island (FL): StatPearls Publishing.

https://www.ncbi.nlm.nih.gov/books/NBK538239/

Evidence-Based Strategies (Glucose Goddess Principles)

Shukla A P et al. Food order has a significant impact on postprandial glucose and insulin excursions. **Diabetes Care.** 2019; 42(5):675-682. https://doi.org/10.2337/dc18-2476

Bellini A et al. Effect of postprandial walking on blood glucose levels: a randomized crossover trial. **International Journal of Environmental Research and Public Health.** 2022;

19(11):6658.<u>https://doi.org/10.3390/ijerph19116658</u>

Engeroff T et al. Timing and intensity of post-meal physical activity and glycaemic control: a systematic review and meta-analysis. **Sports Medicine.** 2023; 53(8):1681-1700.

https://doi.org/10.1007/s40279-023-01869-6

Nutrients Journal. Protein-rich meals improve glycaemic response and cognitive performance in adults. **Nutrients.** 2021; 13(9):3176. https://www.mdpi.com/2072-6643/13/9/3176

Optional Conceptual / Mechanistic Reviews

- 1. Research Directions: Depression. Metabolic disturbance (glucose & insulin) and mood disorders current evidence and hypotheses.
 Cambridge University Press. 2023.
 https://www.cambridge.org/core/journals/research-directions-depression/article/what-is-the-true-nature-of-the-relationship-between-metabolic-disturbance-specifically-of-glucose-and-insulin-metabolism-and-depressive-and-other-mood-disorders/A34CAE6F5AA9FC19269F870D102F59DF
- 2. **Diabetologia.** *Partial sleep loss impairs insulin sensitivity in healthy adults.* **Diabetologia.** 2021; 64:205-215. https://doi.org/10.1007/s00125-021-05374-4



Ready to Feel Balanced?

These small daily habits create lasting change.

If you'd like a personalised nutrition plan to balance your hormones, energy, and mood, let's connect.

BOOK A CALL