THE UNIVERSAL FORCE OF TIME · MEDICINE

Obesity

One overload, four routes by which the energy register fills — the fuels on the lattice, the receiver that cannot hear "full", and the four corrections that drain it

Stephen Daubney · The Daubney Foundation · 2026 · Rev 6 (supersedes Rev 5: the condition given in full as medicine knows it; leptin, the GLP-1 medicines and the 670 nm glucose result credited; the 670 nm and NADH lines carried in; off-lattice values stated without a foreign number; a misattributed metabolic-rate equation and its closeness claim removed)

Tau (T) is the living fabric of time itself — the sole substance of which all physical reality is composed. It is generated by the Sun, as by every star for its own system, and flows outward in the form of the DNA double helix, creating matter, which it deposits at nodal points — the planets — and creating life. Every particle, force, wavelength and conscious experience is a structured configuration of T-flow. The conservation law $d\Sigma T = 0$ governs all change: T is never created or destroyed at a node, only redistributed.

THE ENERGY LEDGER, NUMBER FIRST

working fuels **4** kcal/g (2^2) · fat **9** kcal/g (3^2) · alcohol 7, not a lattice address

obesity line, BMI **30** ($2\cdot3\cdot5$) · **36** ATP ($(2\cdot3)^2$) → **2** · body **36.864 °C** ($2^9\cdot3^2/5^3$) · timing **40 Hz** ($2^3\cdot5$)

670 nm lowered blood sugar: **669.9709631653 · 669.9936644398 · 670.2064327658**

ABSTRACT

More than a billion people now live with obesity, and no condition in medicine is judged the way it is — as a verdict on character, too little willpower and too much appetite. That judgement has cured no one. Medicine's own numbers have been telling a different story all along: the working fuels, carbohydrate and protein, yield **4** kilocalories a gram [2^2]; fat yields **9** [3^2]; alcohol yields 7, which cannot be written in twos, threes and fives. A healthy cell draws **36** ATP from one glucose [$(2\cdot3)^2$]; an overloaded one falls toward **2**. And the hormone that tells the brain the stores are full, leptin, runs high in obesity — the signal is there, and the brain does not hear it.

This paper reads obesity in the Universal Force of Time, in full. **Part I sets out the condition as medicine knows it** — the energy ledger, the fat tissue and its defended set-point, leptin and its resistance, the company obesity keeps — and what the research has found: the discovery of leptin (Jeffrey Friedman's group, 1994); medicines acting on the brain's fullness receptors that lowered body weight by about **15%** (semaglutide, 2021) and by up to about **21%** (tirzepatide, 2022); and **670 nm light that lowered the rise in blood sugar** by acting on the mitochondria (Glen Jeffery's group, 2024). **Part II reads it in the theory.** Fat is not a flaw but a register — the body's densest store, the 3^2 node — and obesity is that register overfilled. The receiver that cannot hear "full" is detuned, not deaf for want of signal, and the medicines that work are the ones that reach the receiver. Within the 670 nm light the theory finds three exact lines — **669.9709631653324, 669.9936644397894 and 670.2064327658226 nm** — and within the light of NADH, the carrier every fuel loads, the lines of Mercury's orbit.

Part III reads the condition as four routes — the register overfills, the cell falls from 36 to 2, the receiver detunes, a fuel the register cannot file — each paired with its correction: drain the register, lift the cell back to 36, re-tune the receiver, take the unfileable fuel out of the ledger. One law binds them: **re-tune the receiver first; drain and lift together; read the drift early.** Fifteen propositions, P-OBS-1 to P-OBS-15, are stated. The research groups are credited by name and the lines offered back to them; the corrective detail is held in the Foundation's clinical reference. The structure resolves into the clinical trial.

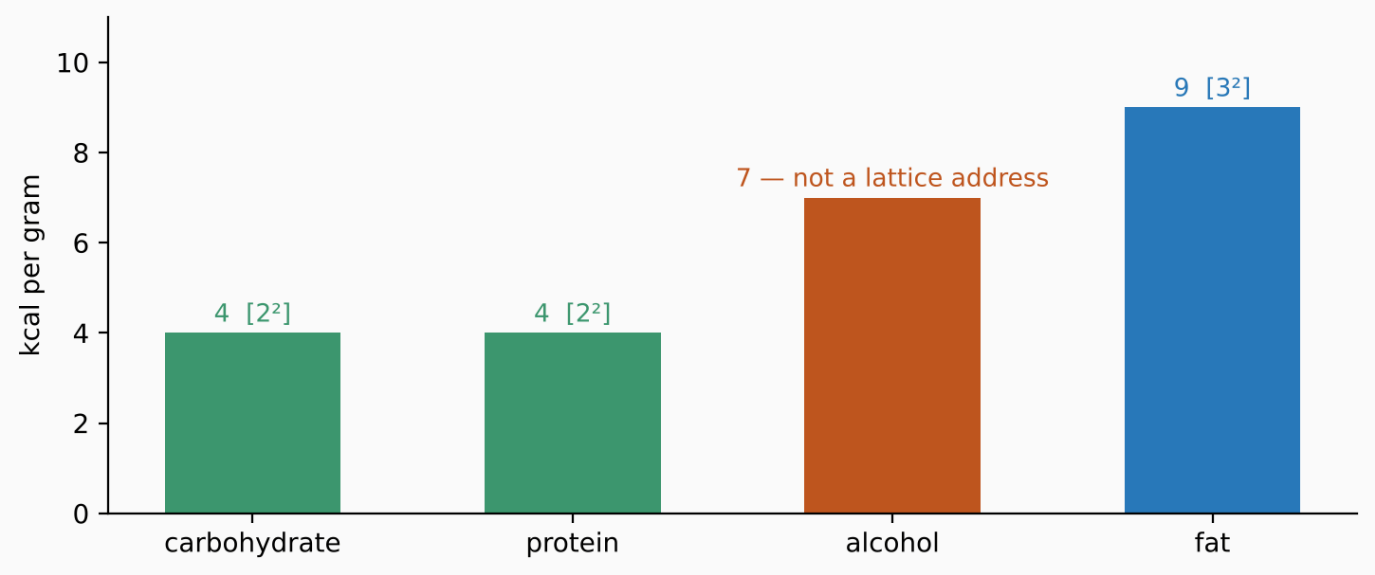


Figure 1 — The fuel ledger: carbohydrate and protein at 4 kcal/g [2²], fat at 9 kcal/g [3²], the storage node. Alcohol's 7 kcal/g cannot be written in twos, threes and fives — the signature of a fuel the register cannot file.

THE TERMS THIS PAPER USES

T, the substance. Tau (T) is the living fabric of time itself, the one substance of which everything is made. It is generated by the Sun and flows outward as the DNA double helix, creating matter and creating life. Everything a body does — a heartbeat, a breath, the holding of its warmth — is T moving in a structured way.

An address. Every value in this framework is a product of powers of 2, 3, 5 and π, and nothing else. That product is the value's address, and the set of all such products is the lattice. A number that needs any other prime is not on the lattice.

Number first. Every value is written with its number first, as a reader meets it, and its address in brackets behind it. The number is what is there; the address is how it is built.

The free decade. Moving a value by a power of ten costs nothing on the lattice, because ten is two times five: the move shifts twos and fives together and changes nothing else. That is why 24 millimetres and 0.024 metres are one address.

The π-degree. The degree of an address is the power of π it carries, and the degree says what kind of thing the value is. An even degree is a **room** — a state, a thing that sits; it pairs, like a pair of circles. An odd degree is a **road** — a transport, a thing that carries; it is the unpaired circle. A half degree is a **door** — a source, which squares to a whole address.

The day, 864. The day is 86,400 seconds [$2^7 \cdot 3^3 \cdot 5^2$], written 864 at its decade. It is the ground state of the DNA helix and the gear through which a per-second value becomes a per-day value.

The time ladder. A rate given per second is carried up the clocks by fixed steps: × 60 to the minute, × 60 to the hour, × 24 to the day. The amount is the same; only the choice of clock changes — the same quantity counted in seconds or counted in days. From the day the orbit is completed one of two ways — × 360 gives the year as a degree value, × 2π gives the year as a radian value. The two answers are two faces of one year, and both are read.

The two gears. Two numbers carry energy between the theory's registers and appear throughout the record. **10,368** [$2^7 \cdot 3^4$] carries an energy in electron-volts to kilojoules per mole. **31,104** [$2^7 \cdot 3^5$] carries an energy in electron-volts to a circumference. When a quantity of the body lands on one of them, it is speaking in the theory's own units.

The veil. The veil is 180/π = 57.29577951308232, the number that turns radians into degrees. In the Universal Force of Time a wavelength in nanometres is an angle in degrees directly; multiply it by π/180 — cross the veil — and the bare value it carries appears.

The register. A register is a level at which T is read. Each organ of the body is a register — a receiver tuned to one face of the time-field — and each cell, molecule and rhythm within it holds an address on that register.

The six faults. A register can fail six ways. It can be **missed** — its target still exists but it has settled at the wrong place; **demoted** — dropped to a lower order while its parts survive; **frozen** — locked at one address and unable to move; **contaminated** — carrying a foreign address; **misdirected** — its own proof-reader turned against it; or **eroded** — its nodes deleted. Under $d\Sigma T = 0$ the field redistributes to the nodes that survive; it does not rebuild an address that has gone.

The conversion grammar. One value takes several forms, and fixed steps move it between them: a frequency divided by 2π is a free fall; a free fall times 49.5035535 [7776/(50π)] is a wavelength; a wavelength times $\pi^2/8$ is a mass. Run in one line, frequency to mass is a single step of 9.72, and every π cancels.

Free fall. In the Universal Force of Time there is no gravity, and a free fall is not a pull. It is the flow of time at a place, in metres per second, every second — time showing itself in one more form, which current science takes for a gravitational fall. A planet makes one turn; where the turn comes in at less than 24 hours, time makes up the difference with a flow at that place, height or depth, so that the turn and the flow together make 24 hours. For the Earth, the free fall on the celestial register, **9.818362093946918** [$5^{12}/(2^7 \cdot 3^9 \cdot \pi^2)$], times 2400 — the 24-hour day, carried two decades — is the Earth's sidereal rotation, **23,564.06902547260** [$5^{14}/(2^2 \cdot 3^8 \cdot \pi^2)$]: 23 hours, 56 minutes and 4 seconds on the clock.

The three registers, G0, G1 and G2. The record reads the same value at more than one level: G1, the surface register of the Earth; G2, the celestial register; G0, the register below. A value and its neighbour one register up — one level up — stand one **G-bond step** apart, 1.000090150603356 [$5^{10}/(2^4 \cdot 3^9 \cdot \pi^3)$].

The 612 step. A second fixed step, 1.000612842467911 [$2^9 \cdot 3^5 \cdot \pi/5^8$] — helium's weight divided by four (helium divided by four, per nucleon), and 36,864 × 864 × π read at its decade. Where a family of lines stands G1, G2 and then one step further, the further step is this one.

The helical turn. The helical turn, 1.004693930041152 [$5^6/(2^6 \cdot 3^5)$], is the step by which the DNA helix climbs one turn — one revolution of the helix. A value carried "one helical turn up" is multiplied by it.

What a landing is worth. Multiply or divide two lattice numbers and the answer is always on the lattice; that much is guaranteed and is not evidence. What counts is a result that lands on a **named object** the theory had already fixed — the day, body temperature, the heartbeat, the day — at a bare power of ten. Each such landing in this paper is marked as arithmetic or as a landing, in its own sentence.

PART I — OBESITY AS MEDICINE KNOWS IT

1. The condition

Obesity is an excess of stored body fat large enough to harm health. The clinic measures it by the body mass index — weight in kilograms divided by the square of height in metres — and draws its lines at **25** for overweight and **30** for obesity. More than a billion people worldwide now live with obesity, and in many countries it is the commonest chronic condition the clinic sees.

2. The energy ledger

Food is measured by the energy it releases. Since Wilbur Atwater's work at the end of the nineteenth century, nutrition has used four factors: carbohydrate and protein yield about **4** kilocalories per gram, fat about **9**, and alcohol about **7**. The body spends energy at rest, in movement and in digesting food, and it stores what it does not spend — a little as glycogen in the liver and muscle, and nearly all the rest as fat, in triglyceride. Fat is the densest store the body has, more than twice the energy of the working fuels gram for gram.

3. Fat tissue and the defended set-point

Fat tissue is not inert. It is an organ that grows by filling its cells and by adding new ones, that releases hormones, and that, once enlarged, the body defends: after weight is lost, appetite rises and the energy spent at rest falls, pulling the weight back toward where it was. This **defended set-point** is why most weight lost by dieting alone returns.

4. Leptin — the signal that says "full"

In 1994 Jeffrey Friedman's group found the hormone **leptin**, made by fat cells in proportion to the fat they hold. It travels to the hypothalamus of the brain and tells it the stores are full, so that appetite falls and spending rises. Mice that cannot make leptin eat without limit and become severely obese, and leptin given to them reverses it. But people with common obesity are not short of leptin — their levels are **high**, in proportion to their fat (Robert Considine and colleagues, 1996). The signal is broadcast; the brain does not respond to it. Medicine calls this **leptin resistance**.

5. Inside the overloaded cell

When fuel arrives faster than the mitochondria can burn it, the cell shifts toward burning glucose by fermentation even when oxygen is present — the same shift Otto Warburg found in cancer cells. Full oxidation yields about **36** ATP per glucose; fermentation yields **2**. The surplus is stored, fat accumulates in the liver and muscle as well as in fat tissue, and the receptors for insulin pull back.

6. The company obesity keeps

Obesity travels with **Type 2 diabetes**, **fatty liver disease**, high blood pressure, heart disease and several cancers. These are not separate misfortunes that happen to arrive together; medicine groups them as the **metabolic syndrome**, and treating one often eases the others.

7. What the research has found

These are the results as the research groups reported them; the credit for each is theirs.

The fullness signal found. Yiying Zhang, Jeffrey Friedman and colleagues cloned the *obese* gene and identified leptin (*Nature*, 1994). Two years later Robert Considine and colleagues showed that people with obesity carry high leptin, not low (*New England Journal of Medicine*, 1996).

Medicines that reach the receiver. The gut hormone GLP-1 acts on receptors in the brain's appetite centres. In the STEP 1 trial, weekly **semaglutide**, a long-acting form of it, lowered body weight by **14.9%** over 68 weeks against **2.4%** on placebo (John Wilding and colleagues, *New England Journal of Medicine*, 2021). In the SURMOUNT-1 trial, **tirzepatide**, acting on both the GLP-1 and the GIP receptors, lowered it by up to **20.9%** over 72 weeks against **3.1%** (Ania Jastreboff and colleagues, *New England Journal of Medicine*, 2022).

670 nm light and blood sugar. Michael Powner and Glen Jeffery at University College London gave healthy adults a short exposure to **670 nm** light before a glucose drink, and the rise in blood sugar afterwards was lower; their reading is that the light raises mitochondrial energy production, so the body draws more glucose from the blood to make ATP (*Journal of Biophotonics*, 2024).

NAD^+ and the loaded carrier. Every fuel burned loads the electron carrier NAD^+ into NADH, which takes in light near **340 nm** and glows near **460 nm** — the way laboratories read a cell's metabolic state. In metabolic overload the NADH/NAD^+ balance shifts, and NAD^+ is low.

That is obesity as medicine knows it, given in full because what follows reads every part.

PART II — OBESITY IN THE UNIVERSAL FORCE OF TIME

8. Remove the blame, and a register remains

The Universal Force of Time begins by setting the blame aside, because blame is not a mechanism, and what the body is doing when it stores fat is not a moral act. It is bookkeeping. The body keeps an energy ledger written in time, and obesity is what that ledger looks like when more comes in than can be spent. Remove the blame and something far more useful remains: **a register that has overfilled, and the question of how to drain it.**

9. The fuels on the lattice

Lay the fuels out and they line up on the lattice. Carbohydrate and protein file at **4** kcal/g [2^2]; fat at **9** [3^2]; the ratio between them is **9/4** [$3^2/2^2$]. Fat is the body's storage node: the densest, lowest-entropy T-energy address it owns. The body is not being weak when it lays down fat; it is choosing the most efficient store it has, as a careful accountant moves idle cash into the densest account. Obesity is not the existence of the fat register — everyone has it — but its overfilling. The clinic's own lines sit on the lattice too: overweight at **25** [5^2], obesity at **30** [$2{\cdot}3{\cdot}5$].

10. The fuel the register cannot file

There is one outlier. **Alcohol's 7 kcal/g cannot be written in twos, threes and fives** — it is not a lattice address. In the theory that is the signature of a fuel the register cannot file. It is not a special fuel node and not a place the cell climbs onto; it is energy arriving in a form that sits in the gap between the nodes. That is the Universal Force of Time's reason alcohol disrupts metabolism far out of proportion to its calories: the body burns it ahead of everything else, because it cannot store it, and the smooth fuels arriving alongside it are shunted straight to fat. The same reading runs through the series: the diabetic line, likewise, is not a lattice address but the signature of a register drifted off its highest healthy node. **An off-lattice value is the signature of the drift, never a destination.**

11. The register overfills

Each cell runs its metabolism at the body's thermal node, **36.864 °C** [$2^9 \cdot 3^2/5^3$], and it can process T-energy only so fast. **Obesity is T-energy arriving faster than the cell can process it.** When intake outruns processing, the surplus is shunted into the fat register; as the surplus persists, the store grows until it becomes the dominant address of the cell, and the body defends the raised set-point as its new equilibrium. This is why the obese metabolism is sticky. It is not that willpower failed; the register's centre of balance has moved to storage. Overfilling is not passive; it is a register actively re-centred on filling.

12. The cell falls from 36 to 2

Overfilling forces a change in how the cell makes energy at all. A healthy cell burns its fuel all the way through its mitochondria and draws **36** ATP per glucose [$(2 \cdot 3)^2$] — the full register. When fuel floods in faster than the mitochondria can take it, the cell falls back to fermentation and draws **2**: a fall by **18** [$2 \cdot 3^2$] onto the energy programme of the embryo. It is the same collapse the series reads in cancer, in the failing lung, in the fatty liver and in Type 2 diabetes: one law in many tissues. And the overfill and the collapse drive each other: the surplus the cell cannot burn is what knocks it off its node, and a cell at the floor stores what it cannot burn.

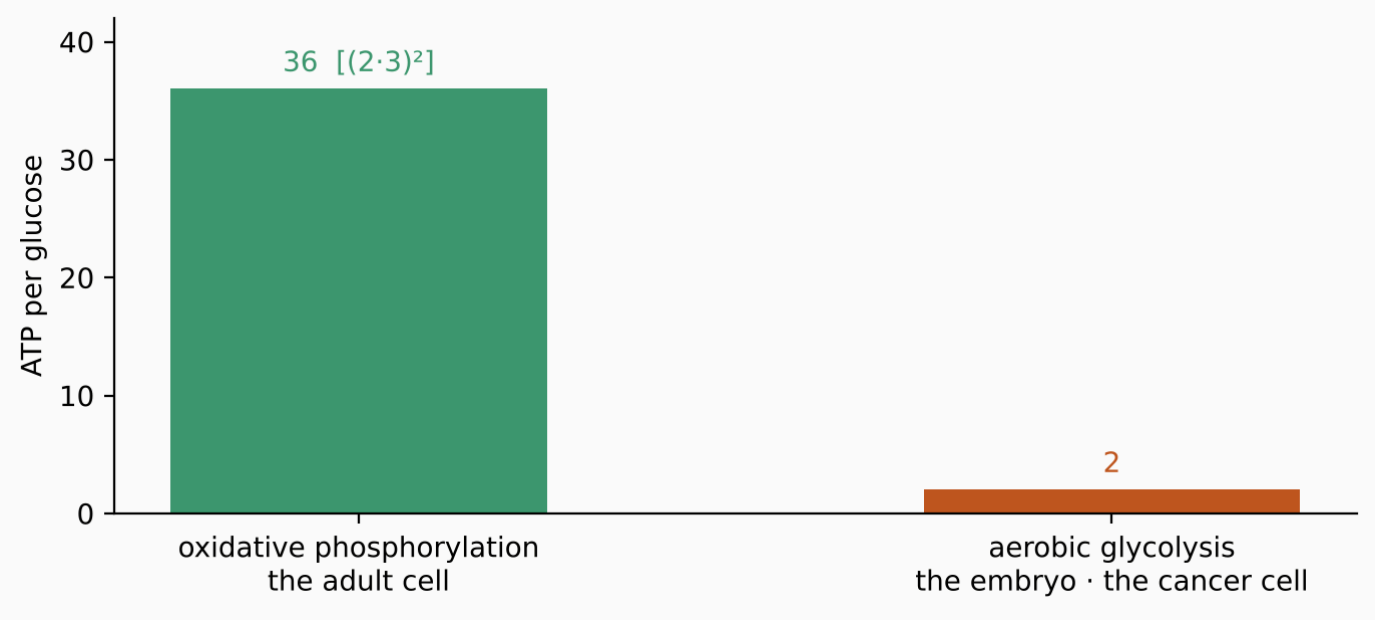


Figure 2 — The energy register falls from 36 ATP per glucose [$(2 \cdot 3)^2$] to the fermentation floor of 2: the embryo's metabolism resumed, the same collapse the series reads in cancer, the lung, the liver and Type 2 diabetes.

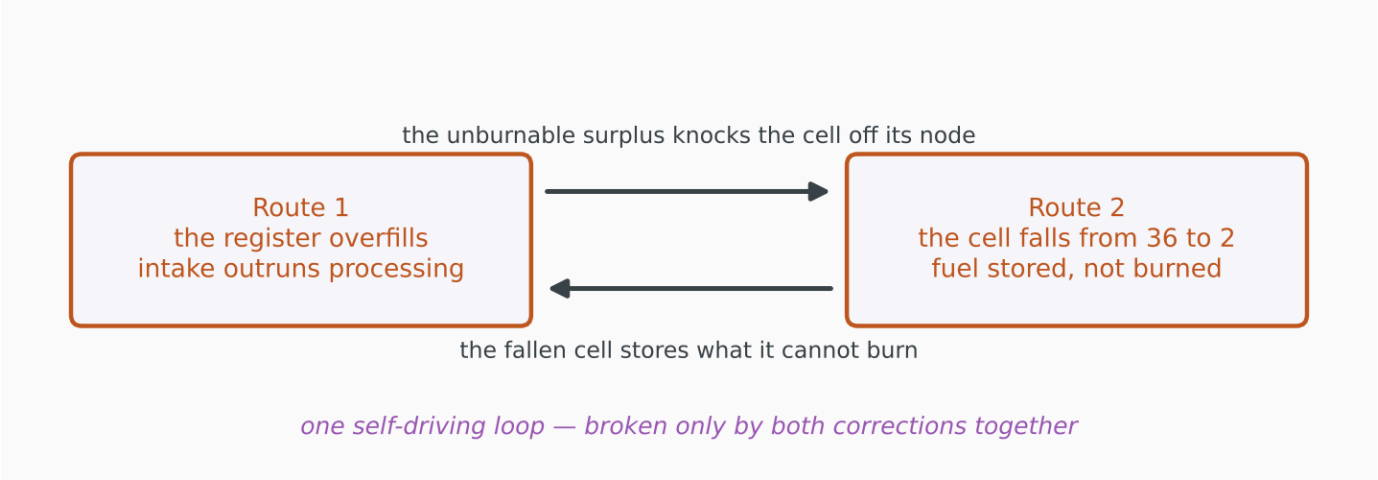


Figure 3 — The overfill and the collapse are one self-driving loop: the unburnable surplus knocks the cell off its node, and the fallen cell stores what it cannot burn.

13. The receiver detunes

Leptin resistance is, in the theory, a **receiver-detuning event, not a hormone failure.** The signal is broadcast at full strength — the high leptin of obesity shows it; the receiver in the hypothalamus has drifted off its register and no longer reads it, so the brain behaves as though starving and keeps the intake high. You do not fix a detuned receiver by shouting louder — by adding more of the hormone it already cannot hear — and the clinic found exactly that: extra leptin does little for common obesity. You re-tune the receiver.

The medicines that work are read the same way. GLP-1 and its partners act on the receptors of the brain's appetite centres — on the receiver, not the store — and the weight falls by about 15 to 21 per cent. In the theory, that is a receiver brought back to hearing "full". The body's governing timing beat is **40 Hz** [$2^3 \cdot 5$] — the gamma rhythm, and, as Stephen Daubney reads it, the Earth's circumference of 40,000 km [$2^6 \cdot 5^4$] at its decade — and the receiver is re-tuned when the organism's timing is brought back onto it.

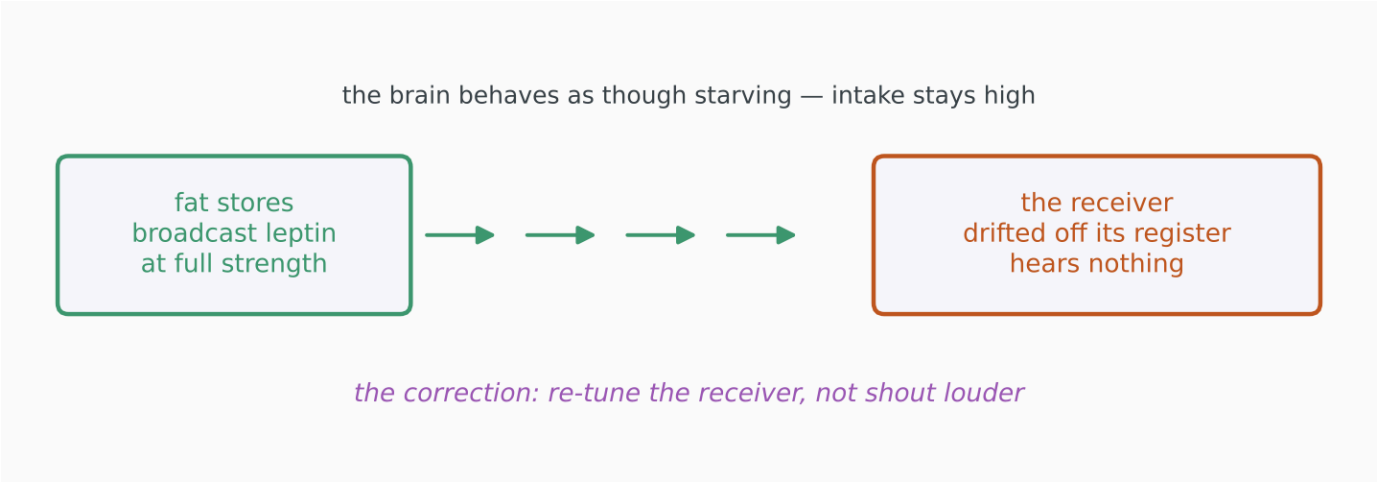


Figure 4 — Leptin resistance as a detuned receiver: the fat stores broadcast at full strength; the receiver has drifted off its register. The correction re-tunes the receiver rather than adding more of the signal it cannot hear.

14. The light that lowered blood sugar

The 670 nm result reads directly in the theory. The light reaches the mitochondria, where the cell's energy register is set; the register re-powers; and the body draws glucose from the blood to fill it — a register lifted back toward 36, burning instead of storing. The theory finds within the 670 nm light three exact lattice lines, each reached by its own chain — set out in full in the companion papers on the eye and on diabetes.

THE 670 NM LINES, NUMBER FIRST

line (nm)	address	reached from	kind
669.9709631653324	12.sqrt2.pi^2/25 (decade)	the neutron 1.674927407913331 x 4	door
669.9936644397894	3^8.5^3/(2^2.pi^5)	the 3^8 of hydrogen's 1312.2 kJ/mol root	road
670.2064327658226	2^9.5^3.pi/3 (decade)	the year face 1000.pi^2/27 x 576/pi	road

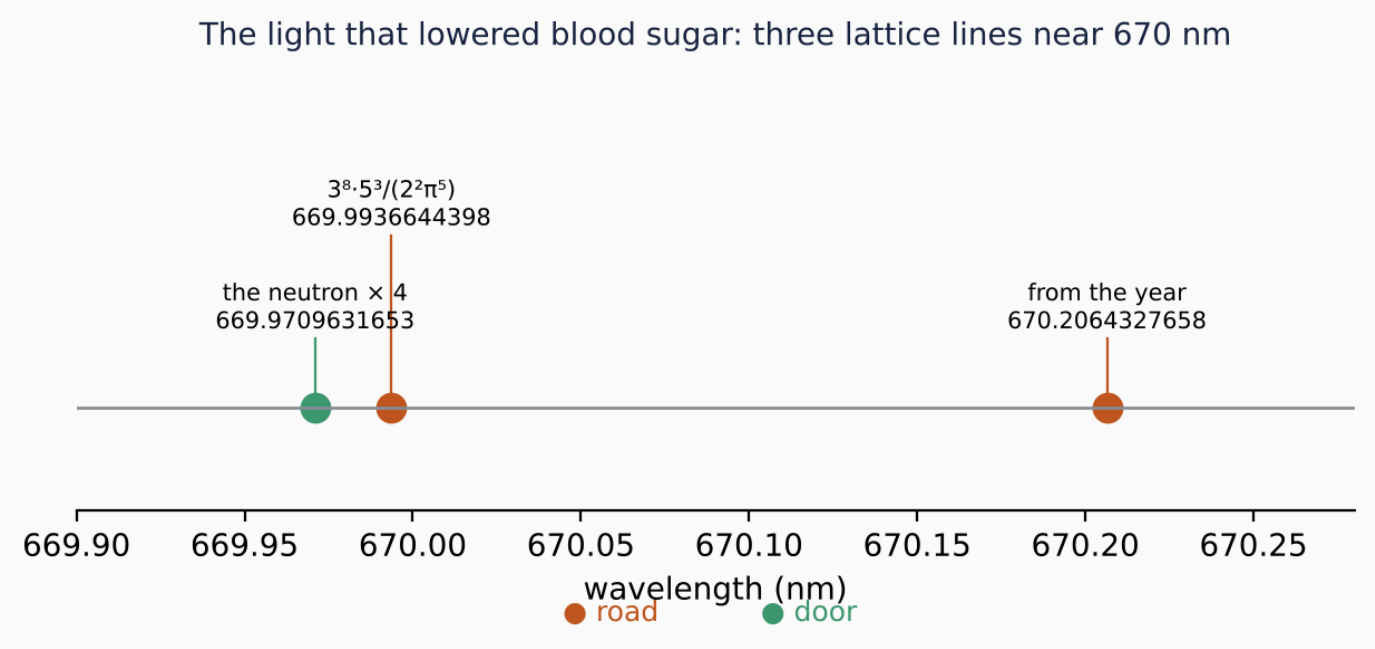


Figure 5 — The light that lowered blood sugar after a glucose drink holds three lattice lines near 670 nm: the neutron's face, a road from hydrogen's root, and a road from the year.

And the carrier every fuel loads — NADH — announces its own state in light at 340 and 460 nm. The theory finds within those bands the lines of **Mercury's orbit** (339.2920065876977, 339.3225939668055 and 339.5305452627100 nm) and of **Mercury's closest approach and the body's own temperature** (460.0926729868701 and 460.8 nm), set out in the companion paper on NAD. In the record Mercury is the electron's celestial mirror; the carrier of the electrons the overloaded cell cannot spend announces itself at Mercury's lines.

15. The lines the theory offers the research

Where these results come from. The results this paper reads are not its discovery. Leptin is Jeffrey Friedman's group's; its high level in obesity is Robert Considine's and his colleagues'; the GLP-1 results are the STEP and SURMOUNT investigators' (John Wilding, Ania Jastreboff and their colleagues); the 670 nm glucose result is Michael Powner and Glen Jeffery's; NADH's light is medicine's long-standing measurement. **The frequencies and the credit for finding that they act are theirs.** It was their results that pointed this paper to these parts of the problem, and their work is the supporting evidence on which these sections are built. What this paper adds is the theory's reading — and, within the 670 nm light, the three exact lines above — offered to those groups, and to any team so minded, to test. The three lie within a quarter of a nanometre of one another, while a therapy lamp spreads its light over several; testing them one by one needs narrow-line, tunable light. The lines are given as values only; how any light is given to a person is held in the Foundation's clinical reference.

PART III — FOUR ROUTES, FOUR CORRECTIONS

16. One overload, four faces

A medical paper of the Universal Force of Time acknowledges the illness, reads the problem as the distinct routes by which it arises, and pairs each route with the correction that would set it right. Obesity has four, and they are four real faces of one overload: a register that fills faster than it empties; a cell knocked off its clean-burn node, so that fuel is stored instead of spent; a receiver gone deaf to the signal that says full; and a fuel the register cannot

file. Every correction is aimed at the register rather than at the appetite alone — not willpower, but the field that should have kept the body's books in balance.

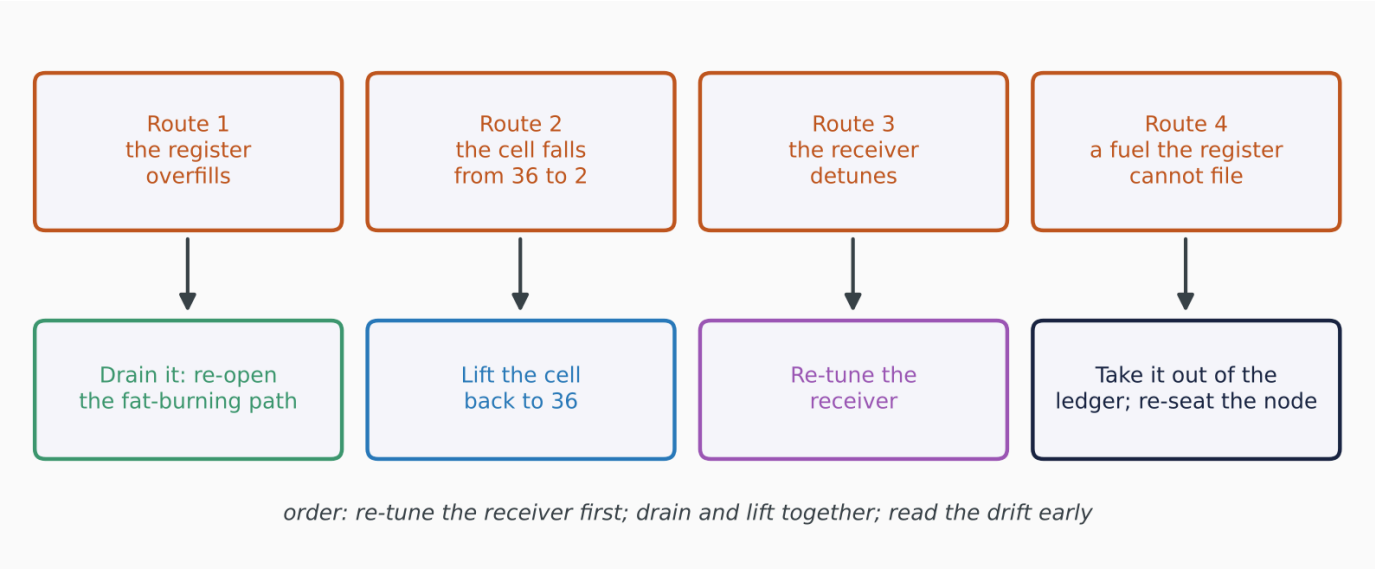


Figure 6 — The four routes and their corrections, bound by the order law: re-tune the receiver first; drain the register and lift the cell together; and read the drift early.

17. Route 1 — the register overfills

Intake outruns processing, the surplus is shunted to the fat register, and the body comes to defend the raised set-point.

Correction 1 — drain the register. If the fault is a register filling faster than it empties, the correction is to open the drain. The cell's route for spending stored fat — beta-oxidation — is the carrier through which the fat register discharges; the correction switches the metabolism back from storer to spender. The point is not a diet of willpower; it is a change of register, re-opening the pathway the overload had closed. The principle is restored discharge; the detail is held in the Foundation's clinical reference.

18. Route 2 — the cell falls from 36 to 2

Fuel floods faster than the mitochondria can burn it, and the cell drops from 36 to the fermentation floor of 2.

Correction 2 — lift the cell back to 36. If the cell has fallen to the floor, the correction is to lift it back to full oxidation, so that each unit of fuel is burned all the way through rather than half-processed and stored. The light research points at the same place from the energy side: 670 nm light re-powers the mitochondria, and the body draws glucose from the blood to fill them. This is the act that breaks the loop: a cell burning at 36 has no surplus to store. The principle is the recovery of full oxidation; how any light is given, and the rest of the detail, are held in the Foundation's clinical reference.

19. Route 3 — the receiver detunes

The fullness signal is broadcast at full strength, and the hypothalamic receiver, drifted off its register, does not read it.

Correction 3 — re-tune the receiver, not shout louder. If the fault is a receiver drifted off its register, the correction is to bring it back onto it, so the signal that was always there can land. The medicines that reach the brain's appetite receptors show that the receiver can be reached; the theory ties the re-tuning to the body's timing register, 40 Hz [$2^3 \cdot 5$]. The principle is re-tuning the receiver; the detail is held in the Foundation's clinical reference.

20. Route 4 — a fuel the register cannot file

A fuel whose energy cannot be written in twos, threes and fives arrives in the gap between the nodes. The cell burns it first because it cannot store it, and shunts everything else to fat.

Correction 4 — take it out of the ledger, and re-seat the node. If the fault is a fuel the register cannot file, the first part of the correction is simply to take it out of the ledger; the second is to pull the register back onto its node

so that nothing off-lattice is left to sit in the gap. And because the same drift surfaces across the metabolic family — the diabetic line, the fatty liver — its appearance in one tissue is the early warning to act before the set-point hardens in another. The principle is node restoration at the shared root; the detail is held in the Foundation's clinical reference.

21. The order law — receiver, loop, window

The four corrections bind three ways. **The receiver first:** you cannot drain a register that is still commanded to fill. While the receiver is detuned, the brain keeps intake high and refills the store as fast as the drain could empty it; so re-tuning comes first, or alongside. **The loop together:** the overfill and the fall from 36 to 2 drive each other, so draining the register and lifting the cell are two halves of one move — drain a register whose cell still cannot burn, and it simply re-stores. **The window:** the longer the register sits re-centred on storage, the more firmly the body defends the raised set-point, so a drift read early is far cheaper to correct than a set-point that has hardened.

22. The resolution — the clinical trial is the next step

We have acknowledged the illness — the most blamed condition in medicine, and the blame has cured no one. We have read the ledger on the lattice: the working fuels at 4 [2^2], fat at 9 [3^2], alcohol off the lattice; the clinic's lines at 25 and 30; the fall from 36 to 2; the body's node at 36.864 °C. We have read leptin resistance as a detuned receiver, and the medicines that work as receivers re-tuned. We have read the light that lowered blood sugar and found within it three exact lines. We have named four routes and given for each its correction, bound by one law. Because the overload is a register and not a character defect, it can be discharged.

The corrections are stated as principles precisely because the next step is not to prescribe them to a reader but to put them to a clinical trial.

PROPOSITIONS

- **P-OBS-1.** Obesity is a register overload, not a character defect: the body's energy ledger, written in time, with more coming in than can be spent.
- **P-OBS-2.** The working fuels file at 4 kcal/g [2^2] and fat at 9 [3^2]; fat is the storage node, the densest T-energy address the body owns.
- **P-OBS-3.** Alcohol's 7 kcal/g is not a lattice address: the signature of a fuel the register cannot file, never a fuel node.
- **P-OBS-4.** The clinic's lines sit on the lattice: overweight at BMI 25 [5^2], obesity at 30 [$2\cdot3\cdot5$].
- **P-OBS-5.** The cell runs at the thermal node 36.864 °C [$2^9\cdot3^2/5^3$]; obesity is T-energy arriving faster than the cell can process it.
- **P-OBS-6.** The overloaded cell falls from 36 ATP [$(2\cdot3)^2$] to 2, a fall by 18 [$2\cdot3^2$] — the collapse shared with cancer, the lung, the fatty liver and Type 2 diabetes.
- **P-OBS-7.** Overfill and collapse are one self-driving loop.
- **P-OBS-8.** Leptin resistance is a detuned receiver, not a failed hormone: the signal is high, the receiver does not read it.
- **P-OBS-9.** The medicines that lower weight most act on the brain's appetite receptors: in the theory, receivers re-tuned.
- **P-OBS-10.** The body's timing register is 40 Hz [$2^3\cdot5$].
- **P-OBS-11.** The 670 nm light that lowered blood sugar holds three lattice lines: 669.9709631653324 (door), 669.9936644397894 (road) and 670.2064327658226 nm (road).
- **P-OBS-12.** NADH, loaded by every fuel, announces its state at Mercury's lines (340 and 460 nm), set out in the NAD paper.
- **P-OBS-13.** Routes 1 and 2: the register overfills; the cell falls from 36. Corrections: drain the register; lift the cell back to 36 — together.
- **P-OBS-14.** Routes 3 and 4: the receiver detunes; a fuel the register cannot file. Corrections: re-tune the receiver; take the fuel out of the ledger and re-seat the node.
- **P-OBS-15.** Order law: the receiver first; drain and lift together; read the drift early, before the set-point hardens.

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APPENDIX — EVERY NUMBER, REBUILT

Every value can be rebuilt with any calculator, from twos, threes, fives and π. The script O_calc.py, run at forty-four digits, asserts every station; it passed in full.

```
THE LEDGER, NUMBER FIRST
   working fuels ; fat ; ratio     4 ; 9 kcal/g ; 9/4            2^2 ; 3^2 ; 3^2/2^2
   alcohol                         7 kcal/g                      not a lattice address
   BMI lines                       25 ; 30                       5^2 ; 2.3.5
   body                            36.864 C                      2^9.3^2/5^3
   ATP: oxidation ; floor ; fall   36 ; 2 ; 18                   (2.3)^2 ; 2 ; 2.3^2
   timing ; Earth's circumference  40 Hz ; 40,000 km             2^3.5 ; 2^6.5^4
   670 lines (nm)                  669.9709631653324 ; 669.9936644397894 ; 670.2064327658226
   NADH lines (nm)                 339.2920065876977 ; 339.3225939668055 ; 339.5305452627100 ;
                                   460.0926729868701 ; 460.8
```

A NOTE ON THE NUMBERS

Throughout this paper a value is given first as the plain physical reading a clinician or laboratory would make, and only then, in brackets, as its place on the {2,3,5,π} lattice. The bracket is the address; the physical number is the thing you can hold. Where a value is off the lattice, the paper says that it cannot be written in twos, threes and fives, and no more. The lattice lines within the research light are given as values with their chains; how any light is given, and the corrective detail, are held in the Foundation's clinical reference and are not prescribed here.

The Daubney Foundation is in ongoing discussions with medical establishments regarding clinical trials of Universal Force of Time solutions to the conditions described in this paper. Any institution or researcher wishing to put themselves forward for participation in these trials is invited to make themselves known through: thedaubneyfoundation@gmail.com

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