

THE RECOVERY BLUEPRINT.

How to sequence cold, red light, PEMF, compression, sauna, and hyperbaric oxygen — so the recovery tools you already own finally produce results you can feel and measure.

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A FREE GUIDE FROM A PHYSICIAN-OWNED RECOVERY, LONGEVITY & PERFORMANCE PRACTICE

01 · THE PROBLEM

EVERYONE'S BUYING RECOVERY TOOLS. ALMOST NO ONE HAS A PLAN.

Cold tubs. Red light panels. Compression boots. Saunas. Home PEMF mats. The recovery industry has never sold more gear — and most of it produces less than it should, for one simple reason: it gets used randomly.

You bought the gear, but skipped the strategy. No timing relative to training. No progression. No personalization to your body, your sport, or your sleep. So the results stay random too — a good week here, nothing for a month, then the boots go in the closet.

Here's the truth every serious athlete eventually learns: the tool was never the plan. Cold, light, pressure, and oxygen are inputs. A plan is what decides which input, at what dose, at what time, in what order — and what to change when the results are measured.

THE ER DOCTOR'S RULE

In emergency medicine we never give an intervention without an indication, a dose, and a reassessment. Your recovery deserves the same discipline. More gear won't fix random use. A plan will.

A PLAN TURNS TOOLS INTO RESULTS.

At Rescu, we organize every input into one framework we call the **LE²ON** system — **Light, Energy, Exercise, Oxygen, Nutrition.**

Every recovery tool in this guide lives inside that system. The framework matters because it forces the three questions random users never ask:

1 RIGHT TOOL

Match the input to the goal. Soreness, sleep, skin, circulation, and readiness are different problems — they don't share one fix.

2 RIGHT DOSE

More is not better. Every tool in this guide has a dose where it helps — and a dose where it just costs you time, money, or adaptation.

3 RIGHT TIME

When you use a tool matters as much as whether you use it. The same cold plunge can support recovery on one day and work against your training goal on another.

Two more principles carry the whole guide: consistency beats intensity, and measure something — bodyweight, resting heart rate, morning readiness, session quality. If nothing is measured, nothing can be adjusted.

COLD

COLD TUBS · PLUNGES · CONTRAST

WHAT IT DOES

Cold-water immersion constricts blood vessels, blunts the perception of soreness, and delivers a powerful alertness and mood response. For many athletes it's the fastest way to feel recovered after brutal sessions — and the feeling is real, even where the physiology is still being studied.

WHEN TO USE IT

Best after endurance work, on rest days, during heavy competition weeks, or any time back-to-back performance matters more than long-term muscle gain. Two to four short, controlled exposures a week is a sensible pattern for most people — build tolerance gradually rather than chasing extremes.

THE MISTAKE TO AVOID

Plunging immediately after strength training when muscle growth is your goal. Research suggests aggressive cold right after lifting can blunt some of the adaptation signal you just trained to create. If hypertrophy is the goal, keep cold well away from your lifting window — use it on other days or after cardio instead.

RED LIGHT

PHOTOBIOMODULATION · LED PANELS

WHAT IT DOES

Red and near-infrared wavelengths are absorbed in the skin and underlying tissue, where research suggests they can support cellular energy production, skin quality, and recovery processes. It's passive, comfortable, and stacks easily with almost everything else.

WHEN TO USE IT

Consistency is the entire game: research protocols typically use short sessions several times a week, close to the panel, on bare skin. Use it around training sessions, as part of a skin protocol, or as a wind-down ritual — same time, same dose, several times a week, for weeks.

THE MISTAKE TO AVOID

Random one-off sessions at random distances. A red light session once a fortnight is a warm nap, not a protocol. Dose consistency — distance, duration, frequency — is what separates users who report results from users who report nothing.

PEMF

PULSED ELECTROMAGNETIC FIELDS

WHAT IT DOES

PEMF devices deliver low-frequency electromagnetic pulses that many users find deeply relaxing, and that research has explored for circulation and recovery support. At Rescu it's one of the most popular passive sessions to stack with red light.

WHEN TO USE IT

Rest days, evenings before sleep, alongside mobility work, or paired with red light in a single recovery visit. Because it demands nothing from you, PEMF is the easiest tool to keep consistent — which is exactly why it works well as the anchor of a weekly recovery routine.

THE MISTAKE TO AVOID

Expecting a single session to be a miracle, then quitting. PEMF is a slow-compounding input. Judge it after weeks of consistent use with something measured — sleep quality, morning readiness, how your back feels on Monday — not after one lie-down.

COMPRESSION

PNEUMATIC BOOTS · RECOVERY SLEEVES

WHAT IT DOES

Sequential pneumatic compression supports venous return and fluid movement out of worked limbs — the mechanical reason heavy legs feel lighter after a session in the boots. It's simple, low-risk, and pairs naturally with film night.

WHEN TO USE IT

After long runs, rides, and leg days; during heavy travel weeks; between same-day sessions or tournament matches. Twenty to forty-five minutes is the common pattern. If you train lower body hard twice a week, boots after each of those sessions is a rational default.

THE MISTAKE TO AVOID

Only reaching for compression when you're already wrecked. Used occasionally as damage control it does little; used routinely after your hardest lower-body work it becomes part of why you're not wrecked in the first place.

SAUNA + HEAT

TRADITIONAL · INFRARED

WHAT IT DOES

Deliberate heat exposure raises heart rate and blood flow in a way that feels like gentle cardio, supports relaxation, and is one of the most habit-friendly recovery rituals in existence. Heat is also a genuine stressor — which is precisely why dose and hydration matter.

WHEN TO USE IT

Evenings, post-training, and rest days. A common pattern in the research literature is several moderate sessions a week rather than occasional marathons. Hydrate before and after, and treat the sauna as its own session on your hardest training days — not an afterthought stacked on top of dehydration.

THE MISTAKE TO AVOID

Stacking heavy heat on top of a dehydrating training day and calling it recovery. If you trained hard and sweated hard, rehydrate first, keep the session moderate — or save the sauna for tomorrow. Heat should compound your recovery, not compete with it.

HBOT

HYPERBARIC OXYGEN · PRESSURE + O₂

WHAT IT DOES

Inside a hyperbaric chamber, oxygen dissolves directly into blood plasma at levels normal breathing can't reach — the reason athletes use it to support recovery between hard training blocks. At Rescu, HBOT is physician-mapped: depth, duration, and dive count are set to your goal, never guessed.

WHEN TO USE IT

Between hard sessions in a heavy block, around competition weeks, or as the anchor of a structured recovery phase. Single dives work around big events; the athletes who report the most benefit run consistent protocols — recovery in the chamber compounds the same way training does.

THE MISTAKE TO AVOID

One dive, no plan, then a verdict. HBOT is the clearest example of the whole blueprint: the same chamber produces a nice nap for the random user and a structured recovery block for the athlete with a physician-mapped protocol. Sequence it, dose it, measure it.

A SAMPLE WEEK.

An educational template for a hard-training week — not a prescription. Swap days to fit your sport, and scale everything to your recovery capacity.

MON

Hard lower-body training

Compression boots after · easy walk in the evening

TUE

Easy movement + skin day

Red light session · mobility work

WED

Recovery anchor

HBOT dive or PEMF + red light stack

THU

Hard upper-body training

Moderate sauna in the evening · hydrate first

FRI

Skill / tempo work

Red light session · early night

SAT

Long session or competition

Compression after · cold plunge if no lifting goal today

SUN

Full rest

PEMF or gentle sauna · plan next week · check your numbers

Notice the pattern: hard days get mechanical recovery (compression, moderate heat), easy days get light and energy work, and one day anchors the week with the deepest input. That's sequencing — the thing the gear can't do for you.

WHAT A PHYSICIAN PATHWAY ADDS.

This guide gives you the principles. A physician-built pathway gives you the personalization: screening against your health history, sequencing matched to your sport and schedule, objective measurement, and a professional adjusting the plan as your body responds.

That's what Rescu was built for. One roof in Scarsdale: medical-grade HBOT chambers, red light, PEMF, compression, contrast, a full performance floor — sequenced by a board-certified emergency physician and measured with tools like Styku 3D body scanning and Proteus strength diagnostics.

1 TAKE THE 60-SECOND QUIZ

rescu.life/funnel-quiz — answer a few questions and get pointed at the right starting pathway for your goal.

2 BOOK THE \$199 FIRST DIVE

Experience the medical hard chamber. A physician maps your protocol first, and the \$199 is credited toward it.

3 EXPLORE THE PATHWAYS

Five membership depths from \$99 to \$2,500 a month — the LE2ON inputs sequenced, measured, and adjusted for you.

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IMPORTANT DISCLAIMERS.

This guide is educational content only and is not medical advice, diagnosis, or treatment. It does not create a physician-patient relationship.

The tools described here are used to support recovery, wellness, and performance in generally healthy adults. They are not intended to diagnose, treat, cure, or prevent any disease.

Individual results vary. Statements about recovery tools reflect common use patterns and areas of ongoing research; where evidence is emerging, this guide says so.

Do not begin cold exposure, heat exposure, hyperbaric oxygen, or any new recovery protocol without considering your personal health history — and consult your physician first, especially if you have cardiovascular, respiratory, neurological, or other medical conditions, are pregnant, or take prescription medications.

The sample week is an educational template, not a prescription. Anything you adopt should be adapted to your own health, sport, and recovery capacity — ideally with professional guidance.

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