



# DRIPDOK

**THE CLOSE REGENERATIVE INDEX: A NOVEL INNOVATION IN THE FEILD OF REGENERATIVE MEDICINE**

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DEVELOPED BY DR ANTHONY CLOSE

# INTRODUCTION

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# OVERVIEW

## **PURPOSE OF CRI:**

DETECTS AND MONITORS  
AGING-RELATED  
DYSFUNCTIONS,  
OBJECTIVELY MEASURES  
TREATMENT EFFICACY.

## **BASIS OF CRI:**

MATHEMATICAL AND  
SCIENTIFIC FOUNDATIONS.

## **LIMITATION OF CRI:**

DOES NOT DETERMINE  
LIFESPAN.



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CRI PROVIDES INSIGHT INTO BODY RECOVERY AND AREAS OF WEAKNESS.

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## HOW CRI WORKS FOR YOU

### 1. MEASURE WHAT MATTERS

WE TRACK KEY BIOMARKERS LIKE NAD<sup>+</sup>/NADH, MITOCHONDRIAL FUNCTION, AND INFLAMMATION—REAL SIGNALS OF HOW YOUR BODY IS PERFORMING AT THE CELLULAR LEVEL.

### 2. WEIGHT BY IMPORTANCE

EACH MARKER IS SCORED BASED ON HOW VITAL IT IS TO REPAIR, RESILIENCE, AND LONGEVITY.

### 3. COMPARE TO HEALTHY BASELINES

YOUR DATA IS COMPARED TO OPTIMAL RANGES TO DETECT EARLY SIGNS OF STRESS OR DEGENERATION—BEFORE SYMPTOMS ARISE.

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BASED ON YOUR CRI, WE BUILD A PRECISION TREATMENT PLAN TAILORED TO YOUR BODY'S UNIQUE CURRENT NEEDS—TARGETING WEAK POINTS AND ENHANCING RECOVERY PATHWAYS KNOWN TO REDUCE BIOLOGICAL AGING.

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SOME BIOMARKERS ARE MORE IMPORTANT THAN OTHERS, SO WE GIVE THEM DIFFERENT WEIGHTS BASED ON HOW MUCH THEY **IMPACT** OVERALL HEALTH.

THE CLOSE REGENERATIVE INDEX (CRI) HELPS IDENTIFY AREAS OF THE BODY STRUGGLING TO REPAIR ITSELF BY COMPARING BIOMARKER LEVELS TO NORMAL RANGES, BUT IT DOESN'T PREDICT LIFESPAN.

INSTEAD, IT SHOWS WHERE ISSUES MIGHT BE DEVELOPING AND **HOW WELL TREATMENTS ARE WORKING.**





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WHY CRI DOESN'T PREDICT LIFESPAN

# FACTORS AFFECTING LIFESPAN

LIFESPAN IS INFLUENCED BY BOTH **RANDOM** (STOCHASTIC) AND **PREDICTABLE** (DETERMINISTIC) FACTORS, MAKING IT IMPOSSIBLE TO PREDICT EXACTLY HOW LONG SOMEONE WILL LIVE. INSTEAD, THE CRI FOCUSES ON CURRENT CELLULAR FUNCTION.

**TRADITIONAL LIFESPAN PREDICTIONS ASSUME A FIXED PATH**, BUT THE CRI ACKNOWLEDGES THAT MEDICAL TREATMENTS AND LIFESTYLE CHANGES CAN IMPROVE OR SLOW HEALTH ISSUES, MAKING FUTURE HEALTH OUTCOMES **UNPREDICTABLE**.

HEALTH IS COMPLEX AND INFLUENCED BY UNPREDICTABLE CHANGES (CHAOS AND BIFURCATIONS IN MATH).

THE CRI APPROACH TAKES THIS COMPLEXITY INTO ACCOUNT, **FOCUSING ON REAL-TIME BIOLOGICAL RESPONSES RATHER THAN GUESSING THE FUTURE.**

Close, A et al.



AGING AND MORTALITY FOLLOW A **CHAOTIC TRAJECTORY RATHER THAN A LINEAR OR DETERMINISTIC FUNCTION.**

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THESE MARKERS ARE NORMALIZED AND WEIGHTED BASED ON THEIR CONTRIBUTION TO LONGEVITY AND PEAK PERFORMANCE. THE FINAL SCORE PROVIDES A QUANTITATIVE **MEASURE OF A PATIENT’S REGENERATIVE PROGRESS**, HELPING TO **OPTIMIZE TREATMENT PROTOCOLS**.

Biomarker/Metric	Description
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RECOVERY & PERFORMANCE METRICS	VO2 Max, HRV (Heart Rate Variability), and Muscle Recovery

# WHY IS THIS IMPORTANT?



- **PERSONALIZED MEDICINE** – EVERY INDIVIDUAL RESPONDS DIFFERENTLY TO REGENERATIVE THERAPIES. THE CLOSE REGENERATIVE INDEX ALLOWS DOCTORS AND BIOHACKERS TO FINE-TUNE PROTOCOLS FOR MAXIMUM EFFECTIVENESS.
- **TRACKING PROGRESS** – PATIENTS CAN SEE REAL-TIME IMPROVEMENTS IN LONGEVITY, COGNITIVE FUNCTION, AND RECOVERY.
- **OBJECTIVE & DATA-DRIVEN** – UNLIKE SUBJECTIVE “FEELING BETTER” REPORTS, THIS INDEX RELIES ON MEASURABLE DATA TO ASSESS TRUE BIOLOGICAL IMPROVEMENTS.



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## DETECTING DYSFUNCTION: THE ORCHESTRA OF AGING

AGING IS A  
SYMPHONY OF  
INTERDEPENDENT  
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SYSTEMS,  
INCLUDING:

- **MITOCHONDRIAL HEALTH** (ATP PRODUCTION, ROS LEVELS)
  - **INFLAMMATORY BALANCE** (IL-6, TNF-ALPHA, NF-KB SIGNALING)
  - **DNA REPAIR CAPACITY** (PARP ENZYME EFFICIENCY, TELOMERASE ACTIVITY)
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  - **DEVELOPED DYSFUNCTIONS:** CHRONIC DEVIATIONS CORRELATING WITH DISEASE STATES
  - **INTER-SYSTEM INTERPLAY:** HOW DYSFUNCTION IN ONE SYSTEM AMPLIFIES SYSTEMIC FAILURE



## QUANTIFYING TREATMENT EFFICACY WITH CRI

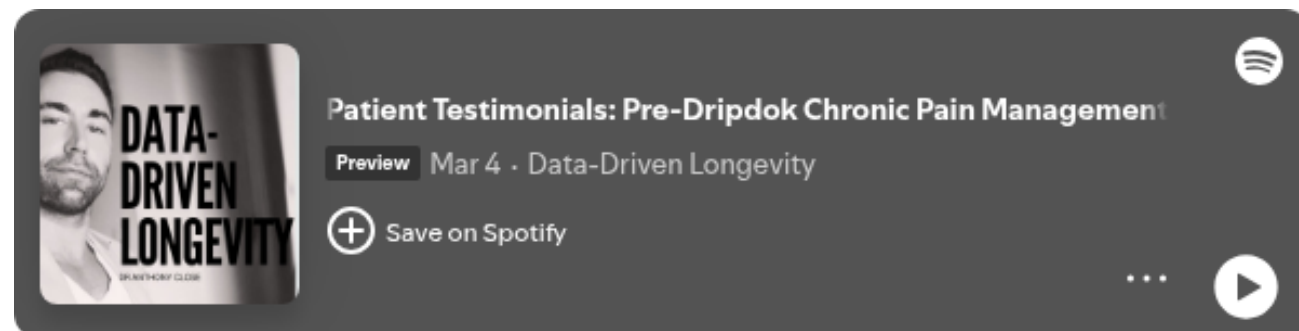
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## PRE- VS. POST-TREATMENT ANALYSIS

BY CONTINUOUSLY MEASURING BIOMARKERS, CRI QUANTIFIES:

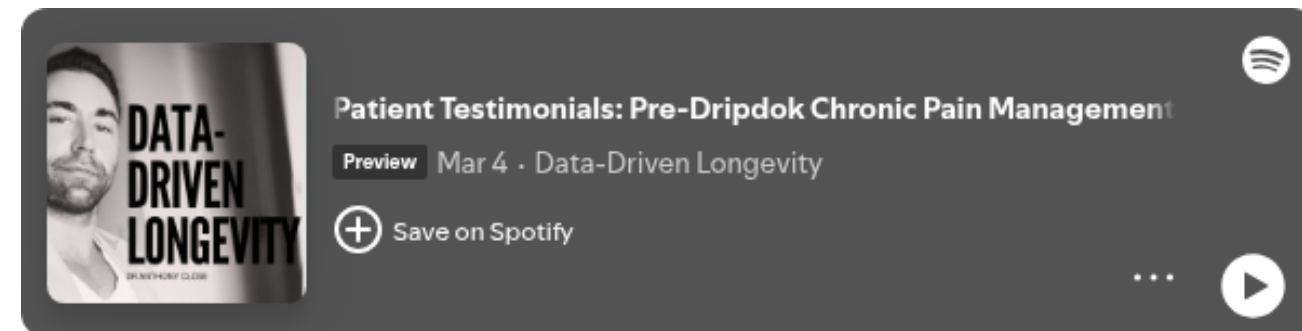
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- COMPARATIVE ANALYSIS: EFFICACY OF DIFFERENT THERAPIES IN REVERSING REGENERATIVE INEFFICIENCY



Listen To Practical Applications With Real Patients

## WHAT THE CRI ENABLES PRACTITIONERS TO DO

- Personalized optimization of regenerative therapies
- Early detection of treatment failure, allowing for adaptive modifications



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**WHEN PERSONALIZED PROTOCOLS ARE DEVELOPED AND EXECUTED ON USING THE MATHMATICS,  
BIOSTATISTICAL MODELS, CORRECT DOSAGES, FREQUENCIES, DROP-RATES, ETC.**

**NAD+ THERAPY FOR  
NEURODEGENERATION**

- PRE-TREATMENT CRI: 45%  
REGENERATIVE  
EFFICIENCY
- POST-TREATMENT CRI:  
72% EFFICIENCY AFTER 4  
WEEKS
- IMPROVEMENT DETECTED  
IN MITOCHONDRIAL  
RESPIRATION AND  
NEUROINFLAMMATION  
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**PEPTIDE THERAPY FOR TISSUE  
REGENERATION**

- BPC-157 AND TB-500 INCREASED  
COLLAGEN SYNTHESIS AND REDUCED  
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3. HYPERBARIC OXYGEN THERAPY FOR  
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- CRI SHOWED IMPROVED TELOMERASE  
ACTIVITY AND REDUCTION IN CELLULAR  
OXIDATIVE STRESS POST-TREATMENT

**CASE STUDIES**

CLINICAL AND REAL-WORLD APPLICATIONS



## CONCLUSION

**THE CLOSE REGENERATIVE INDEX IS NOT A LONGEVITY PREDICTOR** BUT A POWERFUL TOOL FOR IDENTIFYING DYSFUNCTIONS, MONITORING AGING PATHWAYS, AND **EVALUATING TREATMENT EFFICACY**. THROUGH ADVANCED MATHEMATICAL MODELING AND REAL-TIME BIOMARKER TRACKING, IT PROVIDES UNPARALLELED INSIGHT INTO BIOLOGICAL RESILIENCE AND REGENERATIVE HEALTH.

BY INTEGRATING CRI INTO REGENERATIVE MEDICINE, WE SHIFT FROM A STATIC, LIFESPAN-BASED APPROACH TO A DYNAMIC, INTERVENTION-DRIVEN MODEL OF HEALTH OPTIMIZATION.





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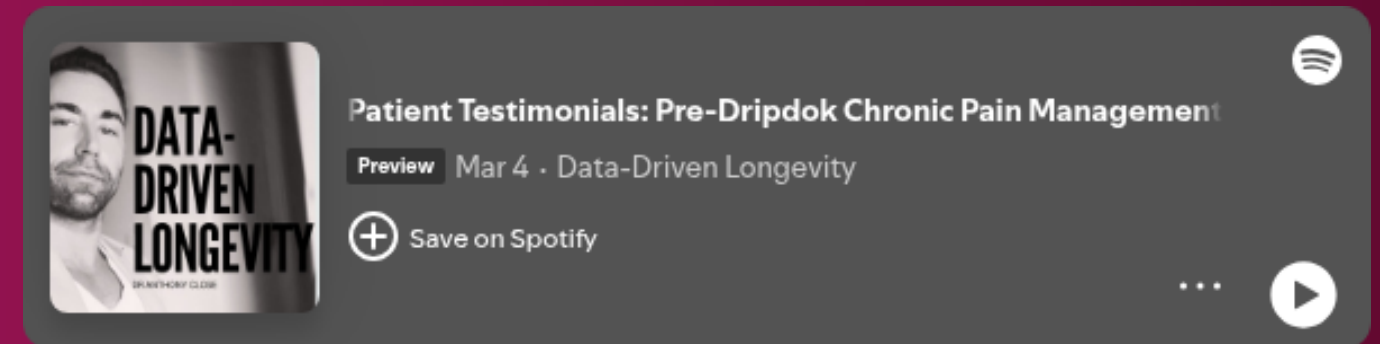
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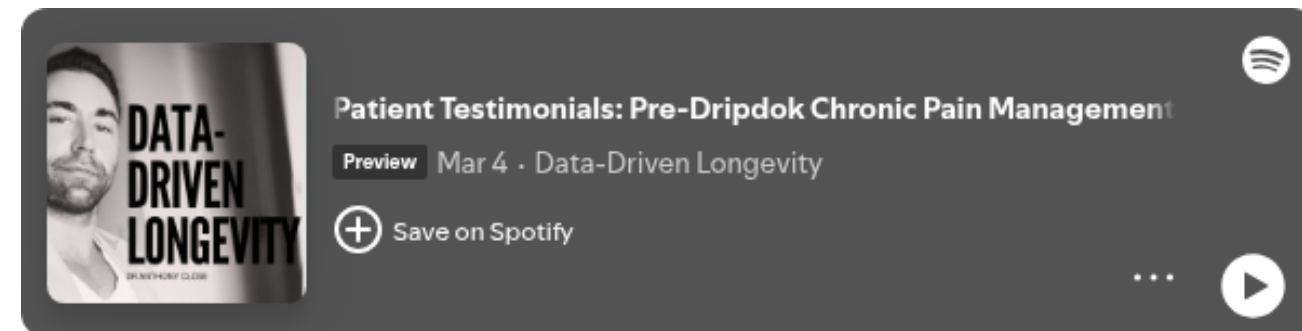
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