



# Newsletter PersonalCare 3/2022

SyncTonin<sup>24</sup>

Circadian Rhythm Synchronizer 24 hrs

July 2022

## SyncTonin<sup>24</sup>

The body's metabolic rate is tied to its circadian rhythm, among other things. When this rhythm is disturbed, it can lead to weight gain, insulin resistance and other metabolic problems. People with a more regular circadian rhythm are more likely to have a healthy weight, while those with a disrupted rhythm are more likely to have obesity and metabolic disorders. SyncTonin<sup>24</sup> can improve the appearance of the skin with cellulite. It is a natural complex extract with the ability to synchronize the circadian rhythm consists of natural cosmetic agent for skin elasticity containing phyto-melatonin and serotonin.

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## Intro

### Circadian Rhythm

Circadian rhythm is a natural, physiological process that regulates many different bodily functions. Synchronization failure occurs as circadian rhythm collapses for various reasons in a busy modern society. If Circadian Rhythm collapses, there is a possibility of a rapid increase in weight due to body stress.

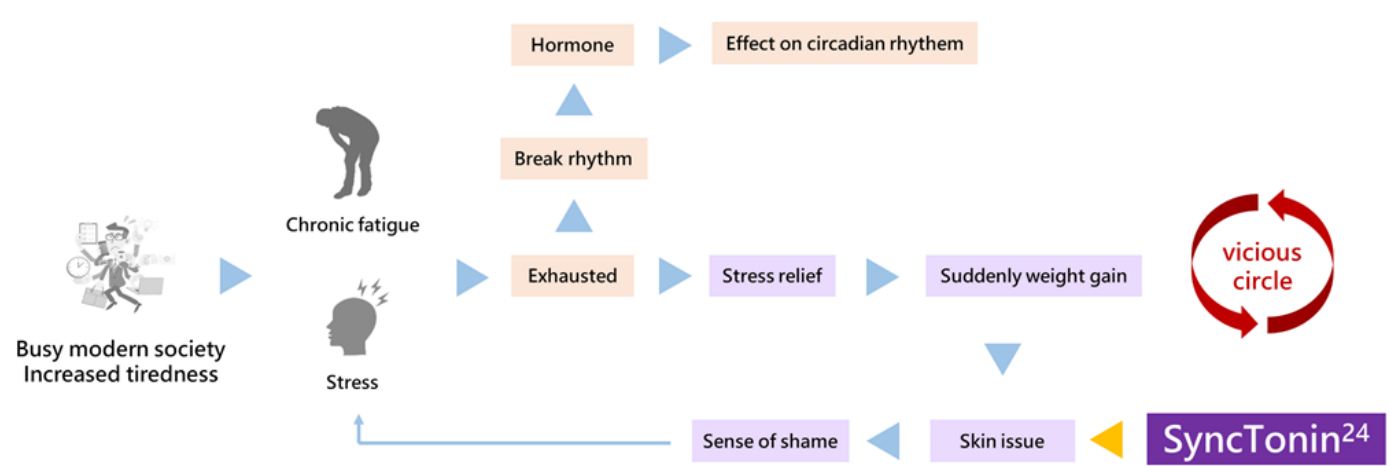
### Melatonin & Serotonin

Re-Synchronization: Melatonin & Serotonin is the key. Melatonin (N-acetyl-5-methoxyptamine) is a bionic hormone se-

creted by the brain that is used to treat insomnia. It activates melatonin receptors to induce natural sleep.

Serotonin (5-Hydroxy tryptamine (5-HT)) is a monoamine neurotransmitter. Decreased serotonin function due to lower levels of serotonin leads to various emotional and behavioral disorders.

Melatonin and Serotonin are key factors for Circadian rhythms.



## New Solution

### SyncTonin<sup>24</sup>: Banana, Jujube, Ivy

Banana (Phyto serotonin)	Jujube (Phytomelatonin)	Ivy (Adipose regulation)
Anti-Oxidant	Anti-Oxidant	Vines and Perennial Grass.
Anti-Aging	Include Melatonin	Anti-Oxidant
Include Serotonin	Anti-Aging	Include Quercetin
Anti-Wrinkle		Promote Serotonin Secretion
		Anti-Aging
		Anti-Wrinkle

### Adipose regulation

#### Anti-Cellulite

- Ivy extracts contain flavonoids such as rutosid, rutinoid, saponins (hederin, headeracosid, and headeragenin)

#### Slimming

- Suppressing fat accumulation by inhibiting the activity of Apolipoprotein

#### Anti-Sebum

- Suitable for oily skin care
- It purifies skin waste and suppresses the secretion of excess sebum, which prevents skin trouble, improves skin elasticity, and prevents fine wrinkles

#### Anti-Aging, Skin Conditioning

- It hydrates dry skin and reduces wrinkles on the face

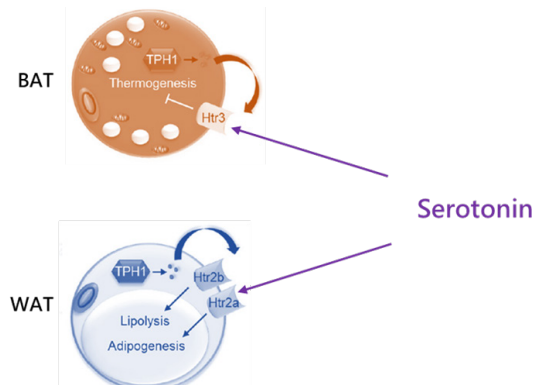
### Melatonin

Elucidating the regulatory role of Melatonin in in the brown, white and beige adipocytes.

	Location	Characters	Markers
<b>WAT</b> 	Subcutaneous Visceral Intramuscular	Store energy Single large fat droplet Few mitochondria UCP1-nearly undetectable	
<b>BAT</b> 	Interscapular Axillary Cervical Paravertebral	Dissipate energy Multiple small lipid droplets High mitochondria High UCP1 and PGC1a	

### Serotonin

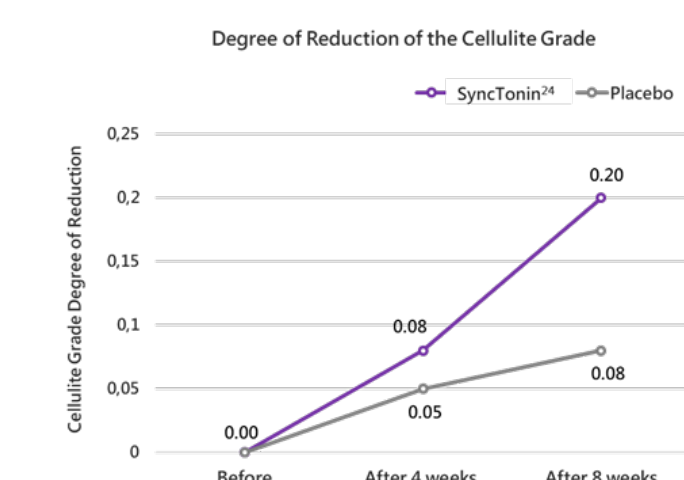
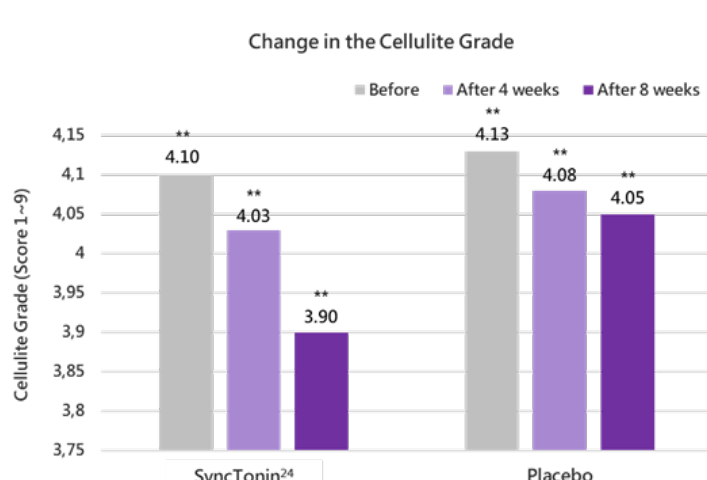
Regulation of systemic energy homeostasis by Serotonin in adipose tissues.



## Clinical Test

### Cellulite Reduction

Subjects of experiment 20 female aged 27 to 49 (average age: 44)  
Visual evaluation result by researcher Cellulite Grade



Visual evaluation results of the test areas was decreased 0.2 at a significant level in 8 weeks – more test results on request.

## Summary

<b>INCI &amp; CFDA</b>	Propandioli, Musa sapientum(Banana) fruit extract, ZizyphusJujuba fruit extract, Hedera helix (Ivy) extract
<b>Definition</b>	Circadian Rhythm Synchronization-capable natural complex extract. Natural cosmetic ingredient for skin elasticity which including Phyto-Melatonin and Serotonin Marker compound: Melatonin, Serotonin
<b>Physical Characteristics</b>	Light brownish to yellowish transparent liquid
<b>Benefits &amp; Uses</b>	<ul style="list-style-type: none"> <li>• Skin tightening</li> <li>• Slimming</li> <li>• Anti-Cellulite</li> <li>• Anti-Aging and Anti-Wrinkle</li> <li>• Moisturizer</li> </ul>
<b>Application</b>	Skin, BodyCare
<b>Recommended Dosages</b>	2.0 – 5.0%