

Easing withdrawal symptoms in addiction protocols:

● ALCOHOL¹²

In both chronic and acute administrations, the benzoflavone of Passion-flower *Incarnata* significantly prevented the expression of withdrawal effects of alcohol due to significant decrease in anxiety. The chronic administration of *P. incarnata* with alcohol had better preventive effects than the single acute treatment with *P. incarnata* in alcohol-dependent mice.

● OPIOID¹³

The study presented double-blind randomized controlled trial of clonidine plus passiflora extract vs. clonidine plus placebo in the outpatient detoxification of 65 opiates addicts. While both protocols were equally effective in treating the physical symptoms of withdrawal syndromes, the passiflora plus clonidine group showed a significant superiority over clonidine alone in the management of mental symptoms.

● SMOKING CESSATION¹⁴

● HELPS IN PROCESSING STRESSFUL SITUATIONS (5)

Vital part of coping with life's challenges and maintaining emotional well-being

● POTENTIAL ADJUVANT IN DEPRESSION ESPECIALLY IF ASSOCIATED WITH ANXIETY¹⁵

This study demonstrated that long-term use of passionflower was correlated with reduced stress levels and, consequently, increased motivation to act and improved motor activity. The beneficial effects of passionflower on memory function have also been confirmed¹⁶.

● ANTIOXIDANT¹⁷, ANTI-INFLAMMATORY¹³

Contains various bioactive compounds, including flavonoids, phenolic acids, and other polyphenols, which are known for their antioxidant activities

Scan me



Mind over matter is now easier with passionflower!

¹² Passionflower in the treatment of opiates withdrawal: a double-blind randomized controlled trial S Akhondzadeh 1, L Kashani, M Mobaseri, S H Hosseini, S Nikzad, M Khani

¹³ Vitexin as an active ingredient in passion flower with potential as an agent for nicotine cessation: vitexin antagonism of the expression of nicotine locomotor sensitization in rats Samantha Bedell, Jacob Wells, Qinfeng Liu, and Chris Breivogel

¹⁵ Evaluation of antidepressant-like effect of hydroalcoholic extract of *Passiflora incarnata* in animal models of depression in male mice *Corresponding author: Saeid Abbasi Maleki, Pharmacology Department, Urmia Branch, Islamic Azad University, Urmia, Iran.

¹⁶ Jawna-Zbońska K., Blecharz-Klin K., Joniec-Maciejak I., Wawer A., Pyrzanowska J., Piechal A., Mirowska-Guzel D., Widy-Tyszkiewicz E. *Passiflora incarnata* L. Improves Spatial Memory, Reduces Stress, and Affects Neurotransmission in Rats. *Phytother. Res.* 2016;30:781-789. doi: 10.1002/ptr.5578.

¹⁷ Antimicrobial, Antioxidant, Hemolytic, Anti-anxiety, and Antihypertensive activity of *Passiflora* species Article in Research Journal of Pharmacy and Technology December 2017

SLOTH FACTS



Baby sloths learn what to eat by licking the lips of their mother.

Sloths are actually **Great Moms**: they have a lot of patience. They carry their babies for entire year in order to provide a proper development.

Being slow is far from lazy. It is an unbelievably successful **survival strategy!**

Having fur that is covered in green algae and filled with hundreds of invertebrates definitely doesn't look clean. However, some species of fungi living in the fur of sloths may hold the key to **Curing Cancer** in humans!

Sloths actually smell just like the jungle: fresh green, and a little bit earthy. Smelling like the rainforest is a great way to hide from predators with a keen sense of smell. Sloths are the masters of jungle camouflage!

OUR MISSION

We are 100% committed to helping you improve the quality of life. Our mission is to provide safe, effective and solution focused products for patients' unique treatment plan.

OUR FORMULATIONS



Our formulations are carefully crafted to target the issue precisely, compounded with unique natural ingredients by highly skilled scientists. These natural, proven, potent formulas are excellent solutions intended to restore bodily functions on multiple levels of healing.

Why sloth?

Sloth MD company is actively involved in rescuing and adopting sloths.

Due to deforestation and wild animal trafficking sloths are endangered species.

Sloth MD company adopts sloths.

You can read their stories on the website.



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PASSIFLORA

Natural mental stress relief & sleep aid



You are what you think.

Let the Passionflower help you find a state of mental and emotional calm.

Life free from worries and anxieties at last!



The passion flower plant is known for its calming and sedative but non drowsy¹ effects, and it has been used historically to treat anxiety, insomnia, and nervous disorders without creating dependency.²

Health practitioners who emphasise holistic and natural approaches to health recommend passion flower due to calming and anxiolytic³ effects.

How it works:

Evidence was shown that numerous pharmacological effects of *Passiflora incarnata* are mediated via modulation of the GABA system, including affinity to different GABA receptors, and effects on GABA uptake.

1 *Passiflora incarnata* Linnaeus as an anxiolytic before spinal anesthesia Pinar Aslanargun • Ozgun Civas • Bayazit Dikmen • Eymen Aslan • Mustafa Ugur Yuksek
2 Attenuation of benzodiazepine dependence in mice by a tri-substituted benzoflavone moiety of *Passiflora incarnata* Linnaeus: A non-habit forming anxiolytic. Kamaldeep Dhawan Department of Drugs Control, Government of Haryana, Panchkula, India
3 Sarris J, Panossian A, Schweitzer I, Slough C, Scholey A. Herbal medicine for depression, anxiety, and insomnia: a review of psychopharmacology and clinical evidence. *Eur Neuropsychopharmacol*. 2011 Dec;21(12):841-860. doi: 10.1016/j.euroneuro.2011.04.002. Epub 2011 May 10. PMID: 21561674
4 Passionflower in the treatment of generalised anxiety: a pilot double-blind randomized controlled trial with oxazepam S Akhondzadeh 1, H R Naghavi, M Vazirian, A Shayeganpour, H Rashidi, M Khani
5 Preoperative oral *Passiflora incarnata* reduces anxiety in ambulatory surgery patients: a double-blind, placebo-controlled study Ali Movafegh 1, Reza Alizadeh, Fatimah Hajimohamadi, Fatimah Esfehiani, Mohamad Nejatfar
6 *Passiflora incarnata* in Neuropsychiatric Disorders—A Systematic Review Katarzyna Janda, Karolina Wojtkowska, Karolina Jakubczyk,* Justyna Antoniewicz, and Karolina Skonieczna-Zydecka

Your patients can now enjoy medical aesthetic procedures with less stress.



- ✓ Maximum strength: The only 500mg Passion Flower in Canada
- ✓ Maximum potency: Flower parts 7:1 extract
- ✓ Maximum purity: Vegetarian capsules, no fillers used

7 Ngan A, Conduit R. A double-blind, placebo-controlled investigation of the effects of *Passiflora incarnata* (passionflower) herbal tea on subjective sleep quality. *Phytotherapy Research*. 2011;25:1153-1159. doi: 10.1002/ptr.3400
8 Fahami F, Asali Z, Aslani A, Fathizadeh N. A comparative study on the effects of *Hypericum perforatum* and passion flower on the menopausal symptoms of women referring to Isfahan city health care center. *Iran J Nurs Midwifery Res* 2010;15(4):202-207.
9 Li F, Li F, Wang Y, et al. The analgesic effects of *Passiflora incarnata* Linn. flower extract in mice: The involvement of the benzodiazepine/GABAergic and opioidergic systems. *J Ethnopharmacol*. 2015;169:373-381.
10 *Passiflora incarnata* attenuation of neuropathic allodynia and vulvodinia apropos GABA-ergic and opioidergic antinociceptive and behavioural mechanisms Urooj Aman1 , Fazal Subhan1* , Muhammad Shahid1 , Shehla Akbar1 , Nisar Ahmad1 , Gowhar Ali1 , Khwaja Fawad1 and Robert D. E. Sewell
11 <https://health-infobase.canada.ca/substance-related-harms/opioids-stimulants>
12 Suppression of alcohol-cessation-oriented hyper-anxiety by the benzoflavone moiety of *Passiflora incarnata* Linnaeus in mice Kamaldeep Dhawan 1, Suresh Kumar, Anupam Sharma

Conditions:

ANXIETY (excessive and persistent worry, fear, or apprehension, neurosis)

Generalised anxiety⁴, OCD, anxiety related to **medical procedures**⁵. The authors demonstrated that patients who were given *Passiflora* tablets (500 mg for premedication) had lower preoperative anxiety levels, as compared to the group receiving oxazepam, and the effects of both medications on postoperative psychomotor function were similar. Recovery time was, likewise, comparable in both groups. The authors suggest that *Passiflora incarnata* is safe and definitely more effective for reducing preoperative anxiety in comparison to oxazepam⁶.



TRAVEL ANXIETY

Travelling anxiety, also known as travel anxiety or travel-related anxiety, is a condition characterised by feelings of fear, worry, or nervousness associated with travelling. It can manifest before, during, or after the journey and may be triggered by various factors related to the travel experience.



SLEEPING DISORDERS⁷

Obsessive, difficult to control thoughts can lead to intense anxiety, fear, discomfort and sleep disorders.



MENOPAUSE AND PERIMENOPAUSE⁸

Vasomotor symptoms, insomnia, depression, anger, headaches. The effectiveness of passion flower in 29 post menopausal women was studied. Symptoms of hot flushes, insomnia, depression, anger and headache were attenuated. This study showed that the Passion Flower group had a significant decrease in menopausal symptoms throughout the third and the sixth weeks of study. *Passiflora* was reported as an alternative treatment for treating menopausal symptoms such as insomnia, depression, anger, headache and other vasomotor symptoms for those having contraindications to hormonal treatment. The author suggested that these herbal medicines could be used as an alternative to hormone therapy in menopausal or perimenopausal women.⁽⁷⁾



NEUROPATHIC PAIN⁹

The referenced research on mice indicated an effectiveness of *P. incarnata* in the treatment of various neuropathic pain conditions. The authors suggested that these properties may result from underlying opioid and GABA-ergic mechanisms, but also pointed to the potential involvement of oleamid-based cannabinoid like compound as well as hexadecanoic acid (palmitic acid) and vitamin-E, that have strong antioxidant and neuroprotective activities and/or modulate the GABAergic system¹⁰⁻¹¹.

