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MRACOATZBANE Fat

Two plant extracts reduced waist circumference by an average of 4.7 inches and hip size by an average of 4.1 inches in clinical trials.

Scientifically reviewed by: Dr. Gary Gonzalez, MD, in May 2022. Written by: Michael Downey.



Aging adults tend to gain about one or two **pounds** every year.¹

And losing weight is never easy.

Scientists have identified two **plant extracts** that target **fat accumulation** *and* **fat metabolism**.

Clinical studies have shown that a *patented blend* of these herbal extracts, when combined with a healthy diet and a 30-minute walk, five days per week, can:^{2,3}

- · Reduce waist circumference by an average of 4.7 inches, and
- Decrease hip size by an average of **4.1 inches**.

Doctors frequently recommend that overweight people reduce their weight by **5**% a year to achieve wide-ranging health benefits.

In *just 16 weeks*, this patented **plant extract** blend reduced body weight by an average of **6.7%** when combined with a healthy diet and a 30-minute walk, five days per week.³

For many people, a boost like this is needed to jump-start their resolve to lose **weight** and cut **inches** from their waist and hips.



About three quarters of the American population are overweight or obese.4

The excess weight people carry around their **waist** is generally the most difficult to lose—and the most dangerous.⁵

Seeking a solution, scientists screened a variety of **botanicals** to assess their ability to *promote* fat loss and *prevent* fat accumulation.⁶

They identified two plants used in traditional Indian medicine:^{3,6}

- Sphaeranthus indicus (S. indicus) flower, and
- Garcinia mangostana (mangosteen) fruit rind.

S. *indicus* is a flowering plant which has long been used in Ayurveda medicine as a nerve tonic and to treat disorders ranging from diabetes and indigestion to fever and cough.⁷

Mangosteen is a tropical fruit that has been used in traditional medicines to treat inflammation, wounds, abdominal pain, urinary tract problems, and chronic ulcers.⁸⁻¹⁰

In a series of clinical studies, researchers tested the impact of a patented blend of **S. indicus** flower extract plus **mangosteen** fruit rind extract on **weight loss**.







Scientists conducted a placebo-controlled, randomized **human** trial in men and women who were **overweight** (with an average BMI of **28.3 kg/m**²).³

Over the 16-week study, subjects consumed a balanced diet of approximately **2,000 calories** a day. They were also instructed to walk for **30 minutes** per day, five days a week.³

Half of the subjects received **400 mg** of the *S. indicus*-mangosteen blend before breakfast and dinner. The others received placebos.

After 4, 12, and 16 weeks, the *S. indicus*-mangosteen supplemented group showed significantly *greater weight loss* compared to the placebo group.³

At 16 weeks, the average results for the group taking the herbal extracts were striking:3

- Weight was reduced by 11.2 pounds (6.7%), compared to 2.4 pounds (1.4%) for those taking placebos,
- BMI (Body Mass Index) was reduced by 1.9 kg/m² compared to 0.4 kg/m² in the placebo group,
- Waist circumference was reduced by 3.9 inches, compared to 1.5 inches in the placebo group, and
- **Hip** circumference was reduced by **4.1 inches**, compared to **2 inches** for those taking placebos.

Reduction in Obesity

Another team of scientists studied the effects of this same patented herbal blend on people who were **obese**, with a **BMI** of **30** or higher.²

Over eight weeks, participants consumed a prepared diet of roughly **2,000 calories** a day and walked for **30 minutes** per day, five days a week.

Half of the subjects received placebo capsules, while the others received **400 mg** of the **S.** *indicus*-mangosteen blend **twice** daily, before breakfast and dinner.²

Improved diet and exercise helped both groups lose weight.

The **S.** indicus-mangosteen supplemented group had significantly greater weight loss and dropped approximately twice as many inches from their waistline and hips than the placebo group.

After just 8 weeks, these obese individuals taking the two herbal extracts on average had their:2

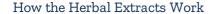
- Weight reduced by 11.5 pounds, compared to 3.3 pounds for the placebo group,
- BMI reduced by 2.2 kg/m², compared to just 0.6 kg/m² for those taking placebos,
- Waist circumference reduced by 4.7 inches, compared to 2.4 inches in the placebo group, and
- **Hip** size reduced by **2.5 inches**, compared to **1.2 inches** for subjects receiving placebos.

There were no safety issues in either of the studies, and no adverse effects were reported.^{2,3}

WHAT YOU NEED TO KNOW

Help Losing Weight and Fat

- Many people struggle to lose weight, and even those who do find it difficult to reduce t
 waistline
- A patented blend of Sphaeranthus indicus flower and mangosteen fruit rind extracts
 produces meaningful weight loss and significantly reduced the size of waist and hips,
 when combined with a balanced diet and exercise.
- In a controlled clinical trial of overweight individuals, this patented blend of S.
 indicus-mangosteen extracts decreased weight by an average of 11.2 pounds, reduced waist size almost four inches on average and decreased hip size and body mass index in just 16 weeks.
- The patented blend of **S. indicus-mangosteen** extracts also reduced **triglycerides**, **LDL** ("bad") cholesterol, and total **cholesterol** levels, which helps improve cardiovascular health.



In vitro (laboratory) studies have been conducted showing the S. indicus-mangosteen extract blend inhibits

creation of new fat cells while promoting the breakdown of existing fat cells.36



These cell-based studies showed that the patented blend of *S. indicus-mangosteen* extracts may:

- Reduce levels of **ADRP** (*adipocyte differentiation-related protein*), a factor that stimulates the accumulation of fat. Lowering ADRP levels inhibits **fat storage**.⁶
- Reduce levels of **fatty acid synthase**, an *enzyme* that catalyzes the synthesis of fatty acid. Lowering this enzyme inhibits the creation of new **fat**.³
- Inhibit expression of **perilipin**, a protein that coats fat droplets and keeps them from being broken down. Reducing perilipin allows fat to be broken down more easily.⁶
- Decrease expression of **PPAR-gamma**, a metabolic "sensor" that triggers fat storage and production of new adipose cells. Lowering PPAR-gamma expression helps prevent fat from accumulating.⁶

Together, these actions help reduce fat accumulation and spur fat breakdown, potentially explaining the **weight** and **waistline** reductions seen in human trials.

Improved Cardiovascular Markers

The benefits of this patented blend of **S. indicus-mangosteen** extracts go further.

In the study of **overweight** individuals, researchers noted an improvement in **lipid** measurements, critical markers of cardiovascular health.³





In just 16 weeks, and compared to placebo, subjects taking the dual-patented blend on average had their:³

- Triglycerides decreased by 22%,
- Cholesterol decreased by 12%,
- LDL ("bad") cholesterol decreased by 16%,
- VLDL cholesterol decreased by 19%,
- HDL ("good") cholesterol increased by 6%, and
- LDL/HDL ratio decreased by 18%.

Together with the reduction in **body weight**, these changes in blood **lipids** can provide additional protection against an array of cardiovascular disorders and other vascular disorders.³

Summary



Being **overweight** or **obese** poses serious health risks. Excess weight around the **waist** is especially dangerous.

Scientists have identified two **plant extracts** that, when combined in a specific ratio, decrease weight by an average **6.7**% within **16 weeks**, when combined with a balanced diet and regular exercise.

In controlled clinical trials, this patented blend of **S. indicus** flower and **mangosteen** fruit rind not only produced meaningful **weight loss**, but also substantially decreased the size of **waist** and **hips**.

In an additional benefit, artery-clogging blood **lipid** levels improved significantly, providing extra benefits for heart health.

BENEFITS OF REDUCING WEIGHT BY JUST 5%

Setting unrealistically high goals can doom any weight-loss program.

Experts agree that losing just a **few pounds** can make a huge difference, and many point to the substantial benefits of a reasonable and *achievable* **5%** reduction in weight.

Evidence shows that decreasing your weight by only 5% may:11,12

- Protect knee joints and reduce the risk of osteoarthritis of the knee,
- Help prevent or delay type II diabetes,
- · Help diabetics control blood sugar and inhibit diabetes-related conditions,
- Increase levels of protective HDL cholesterol, lowering the risk of heart disease,
- Decrease levels of triglycerides, reducing the risk of heart attack or stroke,
- Lower systolic blood pressure by about five points,
- Improve sleep and reduce sleep apnea, and
- Help reverse insulin resistance.



In controlled clinical studies, people who took a patented blend of *S. indicus* and mangosteen extracts lost an average of between 6.4% and 6.7% of their body weight, when combined with a balanced diet and exercise.^{2,3,6}

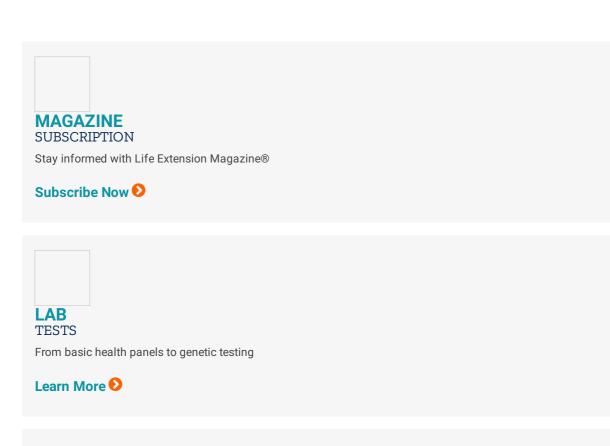
If you have any questions on the scientific content of this article, please call a **Life Extension** Wellness Specialist at 1-866-864-3027.

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