



**PROSMAN**<sup>TM</sup>  
Supports Healthy Prostate

**Clinically evaluated & patented ingredient**

**Available as API/ Formulation**

**[www.prosman.in](http://www.prosman.in)**

## About us



Chemical Resources (CHERESO), incorporated in 2003 is a company dedicated to the principles of tradition, innovation & research. CHERESO is a manufacturer, exporter and supplier of standardized herbal extracts and dietary supplements. The Company facility is a 100% Export Oriented Unit, approved by Govt. of India.

Its business focuses on manufacturing of Nutraceuticals and standardized herbal extracts as per Pharmacopoeia Standards. The company is manufacturing a wide range of products and is fast growing to meet the present and future market demands for plant-based scientifically processed products.

The company has its own in-house Research & Development lab duly approved by Govt. of India, Ministry of Science & Technology, Department of Scientific & Industrial Research (DSIR). R&D activities are given top priority in the organization and are managed by a highly qualified team.

We are backed by 13 international patents & publications in well-known journals like Pubmed, WJPR, IJMS, NCBI, FASEB etc.

The Company is certified by:



## Are you a 40+ Man?

Men after the age of 40 start facing problems like:

- Weak urine system
- Dribbling at the end of urinating
- Inability to urinate
- Incomplete emptying of bladder
- Needing to urinate many times per night
- Pain with urination or bloody urine
- Slowed or delayed start of the urinary stream
- Straining to urinate

All these problems are linked to the non-malignant enlargement of prostate (BPH). BPH is considered a normal condition of male ageing.

Benign prostatic hyperplasia represents a substantial challenge to public health. The prevalence of BPH rises sharply at the age of 35 years, reaching 50% by the age of 60 years and approaching 100% by the age of 80-85 years. In United States, it has been estimated that BPH treatment costs approximately \$4 billion annually.

Different levels of the treatment exist for the prevention and further development of BPH. Treatment choices are guided by severity of BPH symptoms and how much these symptoms are bothering the patient. These treatments have side effects including dizziness, fatigue, hypotension, headache, insomnia, gynecomastia and retrograde ejaculation.

The use of plants and herbs for medicinal purposes (phytotherapy) including treatment of BPH symptoms has been growing steadily in most countries.

## About Prosmán

Prosmán is an innovative product derived from a single herb. It comprises of active ingredient that have anti-inflammatory effects by inhibiting production of pro-inflammatory prostaglandins in the prostate. It also inhibits the production of androgenic steroid hormones such as testosterone and dihydrotestosterone (DHT) which stimulate the growth and development of the prostate through hyperplasia (proliferation of prostatic cells), one of the main causes of BPH.

Prosmán is a well-researched and well-documented product. After thorough research, we developed an innovative process for the extraction of Prosmán, duly patented by USA, China and N. Korean patents.

A clinical study was conducted on 140 subjects and it was proven safe and effective. There was reduction in IPSS score, prostate volume and serum PSA levels. For the complete study, you may email us at [customercare@chereso.net](mailto:customercare@chereso.net)

### ***Aims and objectives of the study***

The aim of the study was to evaluate the effect of *Prunus domestica* extract i.e. Prosmán, in humans suffering from benign prostate hyperplasia (BPH) which was achieved by considering following given objectives:

#### ***Primary objective***

Efficacy evaluation of *Prunus domestica* extract in patients with benign prostate hyperplasia (BPH)

#### ***Secondary objective***

Safety evaluation of *Prunus domestica* extract in patients with BPH

|                                  |   |
|----------------------------------|---|
| <b><i>Product</i></b>            | Prunus domestica extract(Prosmán)   |
| <b><i>Number of Subjects</i></b> | 140 Subjects  |
| <b><i>Study title</i></b>        | Efficacy evaluation of Prunus Domestica Extract on benign prostate hyperplasia (bph): An add on study |

#### ***Inclusion Criteria:***

- Age between 40 and 65 years
- Only Male included
- Has suffered from symptoms of BPH for at least the 6 months before Screening.
- Has a prostate volume  $\geq 20$  mL and  $\leq 70$  mL as assessed by ultrasound
- Has an IPSS  $\geq 8$  at Screening and Baseline
- Patients willing to give informed consent in writing

## Results

### **Efficacy conclusions**

On completion of the study, following efficacy conclusions were made:

- A significant decrease in IPSS score was observed after 4 weeks and on completion of treatment. All the patients reported decrease in IPSS score.
- 94% of the patients showed decrease in the prostate volume. A total of 29.46% decrease in the prostate volume was observed. The significant decrease was observed even after four weeks of the treatment.
- The decrease in serum PSA levels was 56%, which was statistically significant. 76% of the patients showed decrease in serum PSA levels on completion of the treatment.
- A highly significant increase in the serum testosterone levels was observed. The increase was 17.28%. The mean serum testosterone levels were within normal range on completion of treatment.
- Sonographic evaluation of the patients showed marked improvement in the percentage of patients getting normalized on completion of the treatment. At baseline, 93% of the patients had mildly enlarged prostate, whereas on completion of the treatment 43% of the patients showed normal prostate.

### **Safety conclusions**

On completion of the study, following safety conclusions were made:

- No significant change in the liver function tests (serum glutamic-oxaloacetic transaminase, serum glutamic-pyruvic transaminase and alkaline phosphates activities) was observed.
- No significant change in the serum urea levels and creatinine levels was observed.
- No significant change in the hematological parameters was observed on completion of the treatment.