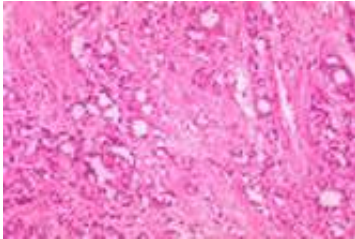


Mushroom powder shows potential in prostate cancer

3 September 2015



recurrent prostate cancer by decreasing immunosuppressive factors," the authors write.

The study was funded by the Mushroom Growers of Australia and North America.

More information: [Abstract](#)
[Full Text \(subscription or payment may be required\)](#)

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(HealthDay)—For patients with biochemically recurrent prostate cancer, treatment with white button mushroom (WBM) powder may reduce prostate-specific antigen (PSA) levels, according to a study published in the Sept. 1 issue of *Cancer*.

Przemyslaw Twardowski, M.D., from the City of Hope National Medical Center in Duarte, Calif., and colleagues examined the effects of WBM powder on serum PSA levels in a study involving 36 [patients](#) with biochemically recurrent [prostate cancer](#) with continuously rising PSA levels. Dose escalation was conducted in cohorts of six.

The researchers observed no cases of dose-limiting toxicity. The overall response rate of PSA was 11 percent. Complete response was observed in two patients receiving 8 and 14 g/day, with declines in their PSA to undetectable levels that persisted for 49 and 30 months. Partial response was observed in two patients who received 8 and 12 g/day. Thirty-six percent of patients experienced some PSA decrease below baseline after three months of therapy. Compared with nonresponders, patients with complete and partial response had higher levels of baseline interleukin-15; therapy-associated decreases were seen in [myeloid-derived suppressor cells](#).

"Therapy with WBM appears to both impact PSA levels and modulate the biology of biochemically

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