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## Professional Resource: Coriolus Versicolor

## **Brief Background**

Medicinal mushrooms have been used in traditional oriental therapy throughout history, with polysaccharopeptides being one of the most highly studiedconstituents(1). One of the most common mushrooms's Coriolus versicolo(Coriolus) a fungus that grows in wooded temperate zones year round on tree trunks, stumps, dead logs, and branches. In traditional oriental medicine, Coriolus was

## Mechanism of Action

Corioluspolysaccharopeptides ave a broad range of physiological activity including immune system enhancement, antitumound anticance effects, antimicrobial effects, and various other effects contributing to increased quality of li@). These extracts are classified as biological response modifiers and are accepted as beneficial adjuncts to conventional therapies in many countries around the world.

Coriolusextracts have beentudied both in vivo and in vitro for their immunological activities, although the exact mechanism of these actions remains to be fully understood. Immunopotentiatication occur by activation of B lymphocytes, T lymphocytes, macrophages and most draytee marrow cells, natural killer cells, and lymphocytectivation killer cells 5). Coriolusextracts are also known to induce production/proliferation of various antibodies and cytokines such as interferons, interleukin and interleukin6, tumor necrosisfactor, and immunogloblin-G(1 3)

placebo, plus standard cafer the duration of 136 months(7). Results indicated a significant survival advantage or people treated with Corious plus standard carever people treated with standard care alone. Overall, for peoplerandomized to Coriolus group, there was a 9% reduction in far mortality

resected colorectal cancer, patients receiving UFT Φbrisolusdemoinsidated significantly better-gear relapsefree and overall survival rates than those treated with UFT a(26):

Immune System Response

A number of RCsThave investigated the effects Obriolusextractson immune system responsie healthy individuals as well as people with a cancer diagnosis rall, the body of evidence indicates a positive impact of Coriolususe on the immune system.

One

significant difference among the groups in terms of mean survival time, mortality rate, or time to progression.

In a phasell double blind RCT involving 34 patients with resonall cell lung cancer, all patients received pac

Due to the stimulatory effects @oioluson immunocompetent cells, there is the potential for counteraction when administered with immunosuppressa@20s Therefore,caution should be were when administerin@oriolusalongside immunosuppressants this combination should be woid altogether.

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