Review: evidence is incomplete on the benefits and risks of commonly used herbal medicines


QUESTION: What are the benefits and risks of commonly used herbal medicines?

Data sources
Systematic reviews were identified by searching Medline, EMBASE/Excerpta Medica, CISCOM, AMED, and the Cochrane Library (from inception to October 2000), and by contacting experts.

Study selection
Systematic reviews were selected if they included randomised controlled trials (RCTs) done in humans on ginkgo, St John’s wort, ginseng, echinacea, saw palmetto, or kava.

Data extraction
Data were extracted on the common and manufacturer names and uses of each herbal medicinal product, type and quality of the systematic reviews, sample sizes, and results.

COMMENTARY

In 1998, Eisenberg et al reported that use of herbal treatments had increased 380% from 1990 to 1997 and that 1 in 5 people who were taking prescription drugs were also taking herbs, high dose vitamins, or both.

The field of herbal treatments is ever changing and Ernst’s challenge that physicians “acquire sufficient knowledge in this area to advise their patients responsibly” is a challenge for all healthcare providers. Furthermore, most patients do not disclose their use of herbal products or complementary treatments to their healthcare providers.

New data on the safety of herbal products continue to be reported, including a recent warning that approximately 25 reports of liver toxicity in Germany and Switzerland have been associated with kava use.

Interactions between herbal treatments and other drugs are a serious concern. Also, because of the low quality of existing studies, many interactions may not be recognised.

Data from weak studies suggest that echinacea may be effective in preventing and treating upper respiratory tract infections, but trial data are not rigorous or conclusive.

Conclusions
Evidence suggests that St John’s wort may be effective in mild to moderate depression, although the effects may be overestimated. Data from weak studies suggest that echinacea may be effective in preventing and treating upper respiratory tract infections. Saw palmetto may have short term effectiveness in benign prostatic hyperplasia and kava may have short term effectiveness in anxiety treatment. Data on ginkgo show positive effects for dementia and intermittent claudication, but are questionable for cognitive function and tinnitus. Ginseng is not beneficial for a variety of conditions. Overall, evidence is incomplete on the benefits and risks of these commonly used herbal medicines.
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