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Dong QuaiRevised: May 17, 2021.

CASRN: 299184-76-2

Drug Levels and Effects

Summary of Use during Lactation

Dong quai (*Angelica sinensis*) root contains a number of chemicals, including ligustilide, ferulic acid, angelicide. Dong quai has no generally recognized lactation-related uses, although some midwives in the United States reportedly have used it for postpartum blues or depression.[1] It is often used as part of a postpartum herbal mixture in Asia and is used as a "women's herb" in Chinese medicine for symptoms associated with menstruation and menopause.[2,3] It is also used in some postpartum mixtures as galactogogues in Taiwan.[4] Although it is usually well tolerated in general use, it may increase the risk of bleeding in patients taking warfarin and antiplatelet drugs and cause photosensitivity reactions. Dong quai is best avoided during breast feeding.[5]

Dietary supplements do not require extensive pre-marketing approval from the U.S. Food and Drug Administration. Manufacturers are responsible to ensure the safety, but do not need to *prove* the safety and effectiveness of dietary supplements before they are marketed. Dietary supplements may contain multiple ingredients, and differences are often found between labeled and actual ingredients or their amounts. A manufacturer may contract with an independent organization to verify the quality of a product or its ingredients, but that does *not* certify the safety or effectiveness of a product. Because of the above issues, clinical testing results on one product may not be applicable to other products. More detailed information about dietary supplements is available elsewhere on the LactMed Web site.

Drug Levels

Maternal Levels. Relevant published information was not found as of the revision date.

Infant Levels. Relevant published information was not found as of the revision date.

Effects in Breastfed Infants

Relevant published information was not found as of the revision date.

Disclaimer: Information presented in this database is not meant as a substitute for professional judgment. You should consult your healthcare provider for breastfeeding advice related to your particular situation. The U.S. government does not warrant or assume any liability or responsibility for the accuracy or completeness of the information on this Site.

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Effects on Lactation and Breastmilk

A study in Japan compared the use of a mixture of 13 herbs, including dong quai, to ergonovine for their effects on lactation and serum prolactin in postpartum women. The herbal mixture, called Xiong-gui-tiao-xue-yin, was given in a randomized fashion to 41 women in a dose of 2 grams of a dried aqueous extract 3 times daily. A comparable group of 41 women were randomized to receive methylergonovine 0.375 mg daily. Therapy was started on the day of delivery, but the duration of therapy was not specified. Plasma oxytocin and prolactin were measured on days 1 and 6; milk volumes were measured daily, although the method of measuring milk volume was not specified. Serum prolactin was higher on days 1 and 6 in the women who received the herbals; plasma oxytocin was lower on day 1 in the women who received the herbal, but not different on day 6. Milk volumes were greater on days 4, 5, and 6 in women who received the herbal mixture.[6] This study has serious flaws that make its interpretation impossible. First, milk volume measurement is subject to considerable variability depending on the measurement method used, but the method was not specified. Second, methylergonovine has caused decreases in serum prolactin and milk production in some studies.[7,8] Because of the lack of a placebo group, the differences found could be a negative effect of methylergonovine rather than a positive effect of the herbal preparation. Because this study used a multi-ingredient combination product in which dong quai was only one component, the results might be different from studies in which dong quai was used alone.

References

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Substance Identification

Substance Name

Dong Quai

Scientific Name

Angelica sinensis

Dong Quai 3

CAS Registry Number

299184-76-2

Drug Class

Breast Feeding

Lactation

Complementary Therapies

Phytotherapy

Plants, Medicinal