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Papaya

Revised: November 15, 2023.

Drug Levels and Effects

Summary of Use during Lactation

Papaya (*Carica papaya*) fruit contains the proteolytic enzymes papain and chymopapain before ripening, but they are not present in the ripe fruit. Cooked, unripe papaya fruit has been used orally in India, Melanesia and Angola, and papaya leaves have been used in Indonesia as galactogogues;[1-5] however, no scientifically valid clinical trials support this use. Galactogogues should never replace evaluation and counseling on modifiable factors that affect milk production.[6,7] Papaya leaves, which contain papain and other enzymes, are also used in some products, but have no known lactation-related uses. No data exist on the excretion of any components of papaya into breastmilk or on the safety and efficacy of papaya in nursing mothers or infants. Papaya fruit is "generally recognized as safe" (GRAS) as a food by the U.S. Food and Drug Administration. Papaya also contains carotenoids and can improve beta-carotene and vitamin A status in nursing mothers.[8] Allergic reactions to papaya, such as asthma and skin rashes are not uncommon and cross reaction with other substances such as latex and kiwi have occurred. Those with allergies to papaya or cross reacting substances should avoid papaya.

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.

Effects on Lactation and Breastmilk

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

References

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Substance Identification

Substance Name

Papaya

Scientific Name

Carica papaya

Drug Class

Breast Feeding

Lactation

Milk, Human

Complementary Therapies

Food

Phytotherapy

Plants, Medicinal