



breast cancer
research centre-wa

Incorporating Perth Breast Cancer Institute



MASTALGIA

Breast Pain

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Mastalgia, or breast pain, is a common symptom experienced by up to 70% of women at some time in their lives and is in many cases considered a normal experience in life.

However, it can at times be severe enough to cause a woman to seek medical advice regarding its possible cause and management. Mastalgia is often accompanied by other breast symptoms including lumpiness or feeling of heaviness or fullness of the breast, increase in breast size and localised or generalised breast tenderness.

CAUSES OF

Mastalgia

BREAST PAIN RELATED TO MENSTRUAL CYCLE (CYCLICAL PAIN)

This is the commonest type of breast pain experienced by women. It occurs with greatest frequency in the premenopausal years, especially to women in their 30s to 40s.

The pain tends to vary with the menstrual cycle, usually increasing in intensity from mid-cycle and then easing with the onset of the menstrual bleed.

The pain can be felt anywhere within the breast but is commonly reported in the upper outer breast.

It is frequently described as being aching or heavy in nature and may be accompanied by an increased nodularity of the breast which resolves with the onset of menstruation.



BREAST PAIN UNRELATED TO THE MENSTRUAL CYCLE (NON-CYCLICAL)

This type of breast pain is more common in women in their 40s or 50s.

The pain may be intermittent in nature showing no association with the menstrual cycle or be continuous in nature with no break. It may be related to a particular area within the breast or to the whole breast.

Breast pain may also be experienced in women with large heavy breasts, in early pregnancy, during breast feeding and in young girls during early breast development. Breast infection (mastitis) or breast abscess can be a cause of breast pain, as can trauma to the breast, either accidental or post-surgical.

Breast pain can also be experienced by adolescent boys due to the hormonal changes at puberty.

Medications may contribute to or cause breast pain with the commonest being alcohol, especially with regular or heavy alcohol consumption and hormonal treatments including the oral contraceptive pill and menopausal hormone therapy. Other medications may rarely be the cause of significant breast pain.

BREAST PAIN REFERRED FROM ELSEWHERE

Not all breast pain originates in the breast but may be referred from elsewhere. A common alternative source of pain is from the chest wall (muscles, ligaments or ribs), or spine. This may follow an overuse or sporting injury although often no definite cause is identified.

This type of pain usually responds to simple analgesia such as paracetamol or to a non-steroidal anti-inflammatory medication such as ibuprofen. As in other soft tissue injuries physiotherapy, heat or ice may be beneficial.

There may be an association with stress and a woman's experience of breast pain. If this is thought to be a factor, a discussion with the woman's doctor or other professional may be helpful.

Heart disease, gastroesophageal reflux disease, lung disease and shingles can all be uncommon cause of pain felt within the breast.



MANAGEMENT OF

Mastalgia

Breast pain alone is usually not a sign of breast cancer (less than a one in one hundred chance for women under the age of 60).

It is important that a woman sees her doctor if she experiences any unusual, severe or persistent breast pain or if she is worried. A thorough assessment should be performed including a breast examination and breast imaging (mammogram or ultrasound) and biopsy if indicated.

Breast pain may be related to harmless breast conditions such as cysts, fibroadenomas or age related changes in the milk ducts under the nipple (mammary duct ectasia). Specific treatment for these conditions such as cyst aspiration may be helpful in some cases.

A pain chart may help to determine pain triggers, pain frequency and whether the pain is cyclical in nature.

A well-fitting bra or sports bra is often helpful to support the breasts. It is worthwhile having the bra fitted by trained staff.

In many cases a specific cause for the pain is not found and the woman will be reassured that she does not have a significant underlying breast condition. In more than 75% of women the pain resolves without any specific treatment.

Pain medication such as paracetamol or ibuprofen taken when the pain is most severe or anti-inflammatory gels applied to the skin over the tender area may be helpful.

The oral contraceptive pill may both cause and relieve breast pain. Sometimes switching to an alternative low dose oral contraceptive pill can be worthwhile and this may be discussed with a doctor.

Likewise dose adjustment or cessation of menopausal hormone therapy may be helpful.



Management of Mastalgia continued

There is no strong evidence that changes in diet or vitamin supplements help breast pain. It is advisable to reduce alcohol intake. Vitamin B1 and B6, vitamin E and Evening Primrose Oil (1000mg, 2 or 3 times daily) have all been tried, and although there is no consistent benefit, some women report an improvement in their pain. Taking the recommended dose for two to three months is generally thought to be safe and may be beneficial.

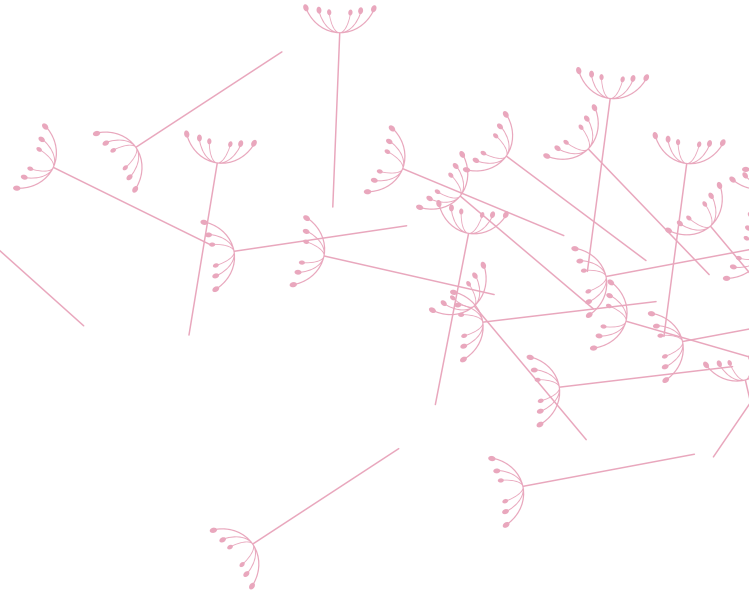
In women with severe persistent breast pain, where symptoms are interfering with lifestyle, treatment with Tamoxifen may be considered. Whilst potentially very effective in some women, Tamoxifen can be associated with significant side effects which need careful discussion with a doctor and should be monitored during use.





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Hollywood Consulting
Centre Suite 404-405, Level 4
91 Monash Avenue, Nedlands 6009

 (08) 6500 5576  reception@bcrc-wa.com.au

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