



UW Medicine
UNIVERSITY OF WASHINGTON
MEDICAL CENTER



ፍተሻ ማሞግራማት

ናይ ስእሊ መርመራ ናይ ጡብ መንሽሮ ንምርካብ

እዚ መጽሓፍ ፍተሻ ናይ ማሞግራማት ይገልጽ። ንምንታይ ከም ዘገልግሉ፣ መዓስ ከም ዝካየዱ፣ ከምኡውን ነቲ መርመራ ብኸመይ ከም እትዳለዉ የጠቓልል።

ፍተሻ ማሞግራማት እንታይ እዩ?

ሓዲ ማሞግራማት ናይ ጡብ መንሽሮ ንምርካብ ናይ ስእሊ መርመራ እዩ። ስእልታት ናይ ጡብ ንምውጋድ ራጂ ይጥቅም።

2 ዓይነታት ናይ ማሞግራማት ኣለዉ፡-

- ፍተሻ ማሞግራማት ናይ ጡብ ምልክታት ወይ ጥርጋናት ኣብ ዘይብለን ደቂ-ኣንስትዮ ናይ ጡብ መንሽሮ ንምርካብ የገልግሉ።
- ምርመራ ማሞግራማት ጠንቕ ናይ ምልክት፣ ከም ኣብ ጡብ ዝርከብ ሕብጥ፣ ንምርኣይ የገልግሉ።



ናይ ኣጥባትኪ ምስሊ ንምውጋድ ፍሉይ ሰልጠና ዝወሰድት ገለ-ኣንስትዮቲ ቴክኖሎጂታት ናብቲ ግብሩ ቦታ ክትኮኒ ክትሓግዘኪ እያ።

ፍተሻ ማሞግራማት ንምንታይ ክገብር የድልየኒ?

ፍተሻ ማሞግራማት፣ ንስኺ ወይ ዶክተርኪ ኣብ ኣጥባትኪ ዝኾነ ለውጥታት ክስምዓኩም ቕድሚ ምኽኣሉ፣ ኣቐዲሞም ናይ ጡብ መንሽሮታት ንምርካብ ይሕግዙ። እዚ ማለት እቲ መንሽሮ ንእሽተይን ብቐሊሉ ክሕመሉ ኣብ ዝኾነሉ ግዜን ንረኽቡ። እዚ ናይ ሓንቲ ገለ-ኣንስትዮቲ ሂወት ከድሕን ይኽእል እዩ። መንሽሮ ኣቐዲሙ ክረክብ ከሎ፣ ናይ ምሕዋይ ዕድል ዝለዓለ እዩ።

ናይ ፍተሻ ማሞግራም መዓስ ክገብር ኣለኒ?

ዝተፈላለዩ ጉጅለታት ኣንተላይ እቲ American Cancer Society (ACS፣ ኣሜሪካ ማሕበር መንሽሮ)፣ እቲ United States Preventive Services Task Force (USPSTF፣ ምክልኻል ኣገልገሎታት ጉጅለ ዕዮ ዩናይትድ ስቴትስ)፣ ከምኡውን እቲ National Comprehensive Cancer Network (NCCN፣ ሃገራዊ ኣጠቓላሊ መርበብ መንሽሮ)፣ ብዛዕባ ፍተሻ ማሞግራማት መምርሒታት ኣለዎም። ነፍሲ ወከፍ እዞም ጉጅለታት ናይ ምርመራ ዝተፈላለዩ ሰሌዳ ናይ ግዜ ርእይቶ ይህቡ። ኩሎም ጉጅለታት ኣብ መበል 40 ዕድመ ዓመታዊ ፍተሻ ማሞግራሚ ምጅማር ብተኮሎ ሂወታት ከም ዘድሕን ይሰማምዑ።

ስለዚህ እዩ ቸኦ እቲ ACS ከምኡውን እቲ NCCN ማእከላይ ሓደጋ ናይ ጡብ መንሽሮ ዘለዎን ደቂ-አንስትዮ ኣብ መበል 40 ዕድሜኡን ዓመታዊ ፍተሻ ማምግራማት ክጅምራ ምርጫ ክህልዎን ዝሰማምዑ። ኩሎም ካብቶም ጉጅለታት ነፍሲ ወከፍ ገል-አንስትዮቲ ብዛዕባ መዓስን ክንደይ ግዜ ፍተሻ ክትገብር ከም እትደሊ ዝተፈላለዩ ዉሳኔ ከም ዘለዎን የለልዩ።

- 7ለ ደቂ-አንስትዮ ፍተሻ ድሕሪ 40 ዕድመ ክጅምራ ክመርጸ ይኸእላ እየን። ብተወሳኺ እዉን ተደጋጋሚ ብዘይኮነ፣ ከም ሓደ ዓመት እንዳጸቐጣ፣ ፍተሻ ክገብራ ክመርጸ ይኸእላ እየን።
- ደቂ-አንስትዮ ልዑል ሓደጋ ናይ ጡብ መንሽሮ ዘለዎን ፍተሻ ቐድሚ 40 ዓመት ክጅምራ ኣለዎን።
- ካልእ ጽኑዕ ናይ ጥዕና ጸገማት ንዘለዎን ደቂ-አንስትዮ ፍተሻ ማምግራማት ጽቡቕ ሓሳብ ከይከዉን ይኸእል እዩ።

ብኸብረትኪ ብዛዕባ ሓደጋ ናይ ጡብ መንሽሮኺ፣ ክብርታትኪ፣ ከምኡውን ድሌታትኪ ምስ ዶክተርኪ ተዘራረቢ። ብሓባር፣ እቲ ንዓኺ ዝበለጸ ምርጫ ክትወስዱ ትኸእሊ ኢኺ።

ዝያዳ ብዛዕባ ማምግራማት

ኣብ ግዜ ማምግራም ዝወሰዱ ኤክስራት 2D (ልመዳ) ከምዉን 3D (ቶምሲንተሲን) ምስልታት ንምስራሕ የገልግሉ። ክልቲኦም ዓይነታት ስልልታት ናይ ጡብ መንሽሮ ንምርካብ ይሕግዙ።

- ን 2D ማምግራማት፣ ምስሊ ናይ ነፍሲ ወከፍ ጡብ ብ2 ትርኢታት፡- ካብ ላዕሊ-ናብ-ታሕቲ ትርኢት ከምኡውን ናይ ጎኒ ትርኢት፣ ይወሰድ።
- 3D ሞግራማት ብዙሓት ምስልታት ብተመሳሰሊ 2 ትርኢታት ይወስድ። እዚ ቐጻላታት ዝበሃሉ ብዙሓት ኣዝዮም ቐጠንቲ ምስልታት ይፈጥር።

3D ሞግራማት ነቲ ራጂ ዘንብበልኪ ሓኪምኪ ዝኾነ ዘይጥዑያት ቲሹ ዝያዳ ነጻዊ ማእከላይ ይሕግዙ። እዚ ነቲ ኣብ ናይ 2D ማምግራማት ዘይንቡር ኮይኑ ዝርከብ ቲሹ ዝቐጽል ምርመራታት ክንኪ ይኸእል። ስለዚ ድማ እቲ University of Washington Medical Center (UWMC)፣ ዩኒቨርሲቲ ናይ ዋሽንግተን ሕክምናዊ ማእከል) ከምኡውን Fred Hutchinson Cancer Center (FHCC)፣ ሲያትል ምትእስሳር ክንክን መንሽሮ) ዝበዝሑ ግዜ ናይ 3D ሞግራማት ዝጥቐሙ ዘለዉ ምኽንያት እዚ እዩ።

ካብ ጁን 2018 ጀሚሩ፣ ኣብ ግዛኣት ዋሽንግተን ዝርከቡ ኣቐረብቲ መድሕን ጥዕና ኣብ ትሕቲ ተመሳሰሊ ዉዕልን ኩነታትን ናይ ፍተሻ ማምግራፊ ከም ዝኸፍኑ ናይ ቶምሲንተሲን ክሸፍኑ እዉን ይእዘዙ እዮም።

ማምግራም ምግባር ዝህልዉዎ ሓደጋታት እንታይ እዮም?

ንመብዛሕቲኡን ደቂ-አንስትዮ፣ ማምግራም ናይ ምግባር ጥቕምታት ካብ ክህልዎ ዝኸእል ሓደጋ ይዓቢ። ይኹን እምበር፣ ልክዕ ከም ኩሎ ምርመራታት፣ ማምግራማት 7ለ ሓደጋታት ኣለዎም፡-

- መብዛሕቲኦም ናይ ጡብ መንሽሮታት ኣብ ማምግራማት ክረኣዩ ይኸእሉ እዮም፣ ይኹን እምበር ገሊኦም ኣይረኣዩን እዮም። ናይ ጡብ ሻቕሎታት ምስ ዝህልዉኪ፣ ብዛዕባ

ምልክታትኪ ምስ ዶክተርኪ ወይ ክኢላ ናይ ጥዕና ጡብ ተዘራረቢ። ዋላ'ውን ወላ ሓደ ጸገማት ዘየርኣየ ማምግራም ጌርኪ እንተኾንኪ እዚ ማምግር ኣገዳሲ እዩ።

- ሓንቲ ማምግራም ናይ “ሓሶት መጠንቐቕታ” ከምጽእ ይኸእል እዩ። ሓሶት መጠንቐቕታ ሓንቲ ማምግራም ድሕሪ ሓያሎ ምርመራታት ምክያዶም መንሸር ዘይኮነ ጸገም ምስ ተርኢ እዩ። እዞም ምርመራታት ሓያሎ ናይ ምስሊ ምርመራታት ወይ ንእሽተይ ቲሹ (ገዮፕሊ) ኣብ ላባላቶሪ ንምርመራ ምወሳድ ከጠቓልሉ ይኸእሉ።

ኣብ UWMC ከምኡውን FHCC፣ ናይ ሓሶት መጠንቐቕታ ንትሕቲ 10% ካብ ደቂ-ኣንስትዮ (ትሕቲ 10 ካብ 100 ደቂ-ኣንስትዮ) የጋጥመን። እዚ ልዕሊ እቲ ማእከላይ ገምጋም ናይ ክንክን ጥዕና ትካላት ኣብ ሕቡራት መንግስታት ዘለዉ ዝሓሸ እዩ።

ማምግራማት ዉሑሳት ድዮም?

ማምግራም ኣብ እትገብርሉ ግዜ፣ ናብ ትሑት ዓቕን ናይ ጨረርታ ትቓልዒ ኣለኺ። ኣብ ናይ መዓልታዊ ሂወትና፣ ነፍሲ ወከፍና ናብቲ “ናይ ድሕሪት ጨረር” ብተፈጥሮ ዝርከብ ዝተቐላጸፈ ኢና። እቲ ካብ ማምግራም እትወስድዮ ጨረር ልክዕ ከም ሓደ ኣብ ሕቡራት መንግስታት ዝጥመጥ ሰብ ኣብ ተፈጥሮ ኣብ ዉሽጢ 2-ኣዋርሕ ክወስድ ዝኸእል ዳርጋ ማዕረ እዩ።

እዚ ትሑት ዓቕን ናይ ጨረር ኣዝዩ ዉሑስ እዩ ከምኡውን ጥዕናኻ ክጎድእ ብዘሕ ተኸእሎ የብሉን። ብዛዕባ ጨረር ዝኾነ ሕቶታት ምስ ዝህልወኪ፣ ብኸብረትኪ ኣብቲ ናይ ምርመራ መዓልቲ ምስቲ ክኢላ ተክሎኖጂ (ምስሊ ናይ ኣጥባትኪ ዝወስድ ሰብ) ወይ ዶክተርኪ ተዘራረቢ።

ንማምግራም ብኸመይ ይዳለዉ?

ኣብታ መርመራ እትገብርላ መዓልቲ፡-

- ኣብ ትሕቲ ኣኣዳዉኪ ወይ ኣብ ኣጥባትኪ ዲዶራንት፣ ፓዉደር ታልኩም፣ ወይ ሎሽን ኣይትልከዩ። እዚ ምስልኺ ዝበለጸ ዓይነት ምዃኑ ንምርግጋጽ ክትገዝ እዩ።
- ዝኾነ ናይ ሕሉፍ ማምግራማት (ምስ ዝህልወኪ) ምሳኺ ተማልኢ። እዚኦም ነቲ ምስልኺ ዝርኢ ዶክተር (ራድዮሎጂስት) ሓገዝቲ እዮም።

ቐድሚ ምርመራኺ፣ ነዚ ዝስዕብ ምስ ዝህልወኪ ንዶክተርኪ ወይ ቴክኖሎጂስት ንገርዮ፡-

- ኣብ ኣጥባትኪ ሓደስቲ ጸገማት ምስ ዝህልዉኺ
- ናይ ጡብ መጥባሕትታት፣ ባዮፕሲታት፣ ወይ ምትካል ታሪኽ ምስ ዝህልወኪ
- ሆርሞኖት ዘለዎም ወይ ኣብ ሰዉነትኪ ዘሎ ደረጃ ናይ ሆርሞን ዝጸልዉ መድሃኒት ትወስዲ ምስ ትህልዊ
- ናይ ስድራ ወይ ዉልቓዊ ታሪኽ ናይ ጡብ መንሸር ምስ ዝህልወኪ
- ነብሰ-ጸር ኢኺ፣ ወይ ነብሰ-ጸር ክትኮንሉ ዝኾነ ዕድል ምስ ዝህሉ

ኣብ ግዜ ናይ ማሞግራም እንታይ ክጽበ ኣለኒ?

መጀመርታ ፍሉይ ስልጠና ዝወሰድት ጓል-ኣንስተይቲ ናብቲ ግቡእ ቦታ ክትኮኒ ክትሕግዘኪ እያ። ኣጥባቲኪ ኣብ ፍሉይ መድረኽ በጥ ኢሉ ከምኡውን ንሓዲር ኣዋን ብመጽቐጢ ክጽቐጥ እዩ። ምስሲ ናይ ሓዲ ጡብ ኣብ ሓዲ ግዜ ክወኡሶድ እዩ። እቲ ምሉእ መርመራ 15 ደቓይቕ ይወስድ።

- ንነፍሲ ወከፍ ምስሲ ብመጽቐጢ ኣብ ዝጽቐጡሉ ኣብ ኣጥባቲኪ ጸቕጢ ክስምዓኪ ልሙድ እዩ።
- ቐንዛ ምስ ዝስምዓኪ ነቲ ቴክኖሎጂስት ንገርዮ። ቴክኖሎጂስትና ክሳብ ዝከሰል ምቕኣነት ንክስምዓኪ ክግብርዎ ዝክእሉ ኩሉ ክገብሩ እዮም።

ነቶም ወዲኢታት መን ይትርጉሙም?

ኣብ ናይ ኣጥባቲ ምስሲ ስልጠና ዝወሰደ ክኢላ ነቲ ምስልኺ ከንብብን ክትርገሙን እዩ። እቲ UWMC ከምኡውን FHCC ራዲዮሎጂስት ማሞግራማት ከንብቡ በቲ American Board of Radiology (ናይ ኣሜሪካ ቦርድ ናይ ራዲዮሎጂ) ኣተረጋገጸ እዩ ከምኡውን ኣብ ናይ ምስሲ ናይ ጡብ ተወሳኺ ስልጠና ዝወሰዱ እዮም። ራዲዮሎጂስታትና ናይ ሃገራዊ መለክዒታት ንብሉጽነት ዝሓለፉ እዮም።

ወዲኢታት ብኸመይ ይወስዱም?

ኣብ ዉሽጢ 7 ክሳብ 10 ናይ ስራሕ መዓልታት ወዲኢታት ዝሓዘት ደብዳቤ ክትቐበሊ ኢኺ። ኣቐራቢ ክንክን ጥዕናኺ እዉን ጸብጸብ ክቐበል እዩ ከምኡውን ንዝህልወኪ ሕቶታት ክምልሰልኪ እዩ።

ማሞግራም ካብ እትገብሪ 10 መዓልታት ምስ ዝኸዉን ከምኡውን ናይ ወዲኢትኪ ደብዳቤ ምስ ዘይትቐበሊ፣ ብክብረትኪ ናብ 206.606.7800 ደዉሊ።

ናይ ወዲኢት ደብዳቤይ ንተወሳኺ ምርመራታት ክምለስ ምስ ዝሓተኒኹ?

ደብዳቤኺ ንተወሳኺ ምስልታት ናይ ማሞግራም ወይ ንኮምፒተር ክትምለሲ ክሓትኪ ይኸእል እዩ። እዚ ምስ ዘጋጥም ብክብረትኪ ኣይትጨነቂ። እዚ ኣዝዩ ልሙድ እዩ። እዚ እቲ ራዲዮሎጂስት ኣብ ከባቢ ናይ ኣጥባቲኪ ብዝበለጸ ክርእዮ ዝደለዩ ነገር ኣሎ ማለት ጥራይ እዩ። ወይ፣ ብሰንኪ ኣብ ናይ መጀመርታ ማሞግራምኪ ዝነበረ ተክሊካዊ ጸገማት ገለ ምስልታት ምድጋም የድልዮም እዩ ማለት እዩ።

ነዚ ተወሳኺ ምስሲ ክትምለሲ ኣገዳሲ እዩ። ኣዝዩ ንጹር ምስሲ ከም ዝወሰድና ንምርግጋጽ ዝተፈላለዩ ሜላታት ከምኡውን መሳርሒታት ክንጥቐም ንክእል ኢና።

ተወሳኺ ምስሲ ንምምዳብ፣ ብክብረትኪ ናብ 206.606.7800 ደዉል።

ሕቶታት?

ሕቶታትኪ ኣገደስቲ እዮም። ዝኾነ ሕቶታት ወይ ሻቕሎታት ምስ ዝህልወኪ ናብ ደክተርኪ ወይ ኣቐራቢ ክንክን ጥዕናኺ ደዉሊ።

ማሞግራም ንምምዳብ፣ ናብ 206.606.7800 ደዉል።

UW Medicine



Fred Hutch
Cancer Center

Screening Mammograms

An imaging test to find breast cancer

This handout explains screening mammograms. It includes why they are used, when they should be done, and how to prepare for the test.

What is a screening mammogram?

A *mammogram* is an imaging test to find breast cancer. It uses X-rays to take images of the breasts.

There are 2 types of mammograms:

- *Screening* mammograms are used to find breast cancer in women who do not have breast symptoms or complaints.
- *Diagnostic* mammograms are used to look for the cause of a symptom, such as a lump in the breast.



A specially trained female technologist will help you get in the right position to take images of your breasts.

Why should I have a screening mammogram?

Screening mammograms help find breast cancers early, before you or your doctor can feel any changes in your breasts. This means we find the cancer when it is smaller and can be treated more easily. This can save a woman's life. When cancer is found early, the chance of cure is higher.

When should I get a screening mammogram?

Several groups have guidelines about screening mammograms, including the American Cancer Society (ACS), the United States Preventive Services Task Force (USPSTF), and the National Comprehensive Cancer Network (NCCN). Each of these groups suggests a different timeline for testing. All groups agree that starting yearly screening mammography at age 40 saves the most lives.

That's why both the ACS and the NCCN agree that women with an average risk for breast cancer should have the choice to start yearly screening mammograms at age 40. All of the groups recognize that each woman



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might make a different decision about when and how often to have screening.

- Some women might choose to start screening later than age 40. They may also choose to have screening less often, such as every other year.
- Women with higher risk for breast cancer should start screening earlier than age 40.
- Screening mammograms may not be a good idea for women who have other serious health problems.

Please talk with your doctor about your breast cancer risk, your values, and your desires. Together, you can make the choice that is best for you.

More About Mammograms

X-rays taken during a mammogram are used to make 2D (*conventional*) and 3D (*tomosynthesis*) images. Both types of images help find breast cancer.

- For **2D mammograms**, an image of each breast is taken in 2 views: a top-to-bottom view and a side view.
- **3D mammograms** take many images in the same 2 views. This creates a stack of very thin images called *slices*.

3D mammograms help your radiologist see any unhealthy tissue more clearly. This may lessen the need for follow-up tests of tissue that may appear abnormal on 2D mammograms. That's why the University of Washington Medical Center (UWMC) and Fred Hutchinson Cancer Center (Fred Hutch) now use 3D mammograms all of the time.

As of June 2018, health insurance providers in Washington state are required to cover tomosynthesis under the same terms and conditions as they cover screening mammography.

What are the risks of getting a mammogram?

For most women, the benefits of getting a mammogram outweigh the risks. But, like all tests, mammograms have some risks:

- Most breast cancers can be seen on mammograms, but some cannot. If you have breast concerns, talk with your doctor or breast health specialist about your symptoms. It is important to do this even if you just had a mammogram that did not show any problems.
- A mammogram can result in a "false alarm." A false alarm is when a mammogram shows a possible problem that turns out to not be cancer after more tests are done. These tests may include more imaging exams or having a small tissue sample (*biopsy*) taken for testing in the lab.

At UWMC and Fred Hutch, false alarms occur for less than 10% of women (fewer than 10 out of 100 women). This is better than the average rate for healthcare facilities in the U.S.

Are mammograms safe?

When you have a mammogram, you are exposed to a low level of radiation. In our daily lives, we are all exposed to the “background radiation” that is found in nature. The radiation you receive from a mammogram is about the same that someone living in the U.S. picks up from nature over a 2-month period.

This low dose of radiation is very safe and is not likely to harm your health. If you have any questions about radiation, please talk with your *technologist* (the person who takes the images of your breasts) or doctor on the day of your exam.

How do I prepare for a mammogram?

On the day of your exam:

- Bring any past mammograms (if you have them) with you. These are helpful to the doctor (*radiologist*) who will look at your images.

Before your exam, tell your doctor or technologist if you:

- Have any new problems in your breasts
- Have a history of breast surgeries, biopsies, or implants
- Are taking medicine that contains hormones or affects the hormone levels in your body
- Have a family or personal history of breast cancer
- Are pregnant, or if there is any chance you might be pregnant

What should I expect during the mammogram?

First, a specially trained female technologist will help you get in the right position. Your breast will be placed on a special platform and briefly compressed with a paddle. Images are taken of one breast at a time. The entire exam takes about 15 minutes.

- It is normal to feel pressure on your breast when it is compressed by the paddle for each image.
- Tell the technologist if you feel pain. Our technologists will do all they can to make you as comfortable as possible.

Who interprets the results?

An expert radiologist trained in breast imaging will read and interpret your images. The UWMC and Fred Hutch radiologists who read mammograms are certified by the American Board of Radiology and have received extra training in breast imaging. Our radiologists exceed the national criteria for excellence.

How do I get the results?

You will receive a letter with your results in the mail in 7 to 10 working days. If you use MyChart, your results will be available on MyChart when the radiologist finalizes your report. If you do not view it in MyChart after 3 days, a letter will be mailed to you. Your healthcare provider will also receive a report and can answer any questions you have.

If it has been 10 days since your mammogram and you have not received your results letter, please call one of the numbers at the bottom of this page.

What if my results letter asks me to return for more tests?

Your letter may ask you to return for more mammogram images or for an ultrasound. Please do not worry if this happens. This is fairly common. It only means that the radiologist would like a better look at areas of your breast. Or, some images may need to be done again because of technical problems with your first mammogram.

It is important that you return for this extra imaging. We may use different methods and equipment to make sure we get very clear images.

To schedule extra imaging, or if you have not received your results letter after 10 days, please call one of the following numbers.

Questions?

Your questions are important. Call your doctor or healthcare provider if you have questions or concerns.

To schedule a mammogram:

Patients at UWMC:

Call 206.668.1749.

Patients at Fred Hutch:

Call 206.606.7800.

- **Patients at University of Washington Medical Center (UWMC): Call 206.668.1749.**
- **Patients at Fred Hutchinson Cancer Center: Call 206.606.7800.**