

## **General Information About MOHS Micrographic Surgery**

Traditional methods of removing skin cancer include burning, freezing, and surgery. In all three methods the dermatologist destroys or excises all visible cancer cells and surrounding normal tissue in an effort to insure complete removal of the tumor. However, because cancerous cells are microscopic, inevitably some cancer cells are left behind, and the tumor recurs. Also since excessive amounts of tissue are removed, the patient is left with a large unsightly scar. Due to these problems, Dr. Frederic Mohs invented a unique chemosurgical cancer removing procedure, which eliminates these problems. Mohs micrographic surgery, named after its creator, requires the surgeon to remove multiple thin, horizontal layers of cancerous tissue. Each layer is then carefully "mapped" using a microscope so the cancer cells' exact locations are pinpointed, and then the surgeon completely removes the remaining cancer cells.

Dr. Arthur K. Balin is one out of about 400 U.S. physicians who is board certified to perform Mohs Micrographic Surgery. He performs 4-8 Mohs operations a day, and has been doing so for over 20 years. Needless to say, he is an expert in his field. As one patient said, "I appreciated the wonderful care and comfortable accommodations while undergoing the Mohs procedure. Dr. Balin and the RNs and staff are the nicest people."

### **Benefits of MOHS Micrographic Surgery**

Of all skin cancer treatments, Mohs Micrographic Surgery:

- Provides the highest cure rate of up to 99% in new cancers, and 95% in recurrent cancers
- Has the lowest chance for cancer cell regrowth
- Causes minimal scarring or disfigurement
- Is a very precise means of removing any and all cancer cells without removing healthy tissue

## **Procedure**

The first step in the surgical procedure is the removal of the visible portion of the skin cancer. Dr. Balin then removes a thin layer of tissue from the area from which the tumor has been removed. He divides this specimen into sections and color codes each section with dye. Dr. Balin then makes reference marks on the skin to map where each color-coded section was removed. This map can then be used to locate any remaining cancer cells with great precision.

Next a histopathology technician processes the sample of skin, and Dr. Balin examines the underside and edges of the tissue sample under a microscope. If he sees more cancer cells, Dr. Balin returns to the 'map' and removes another thin layer of tissue from the area where the cancer cells were found. This tissue is again examined microscopically for cancer cells. This layer by layer examination continues until every remaining cancer cell has been removed.

## **Repair/Reconstruction**

The repair or reconstructive surgery is performed in our outpatient ambulatory surgical center, [The Sally Balin Ambulatory Surgical Center](#), which is located in the same facility as the medical center. Dr. Arthur Balin performs the surgical repair the day following Mohs micrographic surgery.

## **Expectations**

Mohs micrographic surgery is performed on an outpatient basis under local anesthesia. Because the surgery proceeds layer by layer, the length of the entire procedure can take time. It is best to count on taking the day off from work or usual activities. If you live nearby, you may be able to return home while removed tissue is being examined. All candidates for Mohs micrographic surgery are invited to wait in the Mohs lounge set aside for their comfort. There one can read from over 100 different magazines, watch television, rest or even enjoy backgammon.

## Pre- and Post- Operative Care Instructions

Click on any of the following for information regarding preoperative and postoperative instructions.

- [Pre-Surgical Information Packet](#)
- [Important Information for Mohs Surgery Patients Taking Coumadin](#)
- [Post-Operative Instructions For Care of Mohs Surgery Wounds](#)
- [Mohs Surgery Informational Brochure](#)
- [Treatments for Skin Cancer: How do They Stack Up?](#) (article by Dr. Arthur Balin from February 2001 issue of SKIN & AGING)
- [Physician Battles Skin Cancer with Microsurgery](#) (article on Dr. Arthur Balin and Mohs Surgery)
- [Skin Cancer](#) (Chapter 59 of Principles of Geriatric Medicine and Gerontology authored by Dr. Arthur Balin)

## FAQ's

1. *I have a documented skin cancer and am interested in Mohs as a treatment option. Who can I talk to?*

Dr. Balin would be more than happy to discuss this treatment option with you during a Mohs consultation. To schedule a consultation please call 610-565-3300.

2. *Why is Mohs superior to other skin cancer removal techniques?*

Mohs Micrographic Surgery offers patients the best possible cure rates and cosmetic results by thoroughly removing the diseased tissue only, preserving any surrounding "healthy" tissue.

When compared to other treatments, there is no comparison; Mohs surgery is in a class by itself.

3. *How long does the procedure take?*

The excision itself takes approximately 10 minutes; however, the duration of the procedure depends on the location and size of the skin cancer. While several stages may be required, the sectioning, marking and microscopic analysis may take up to two hours for each stage alone.

4. *Where is the procedure performed?*

The procedure is performed on-site at The Sally Balin Medical Center. Our Mohs lounge equipped with a kitchenette, vending machine, television and reclining chairs provides a relaxing, comfortable environment for patients. The repair is performed the following day on-site at The Sally Balin Ambulatory Surgical Center.

5. *Will I scar?*

While scarring is unavoidable, the Mohs technique offers minimal cosmetic disruption and the best cosmetic results.