

## Mohs surgery – *behind the scenes*

### **What is Mohs surgery?**

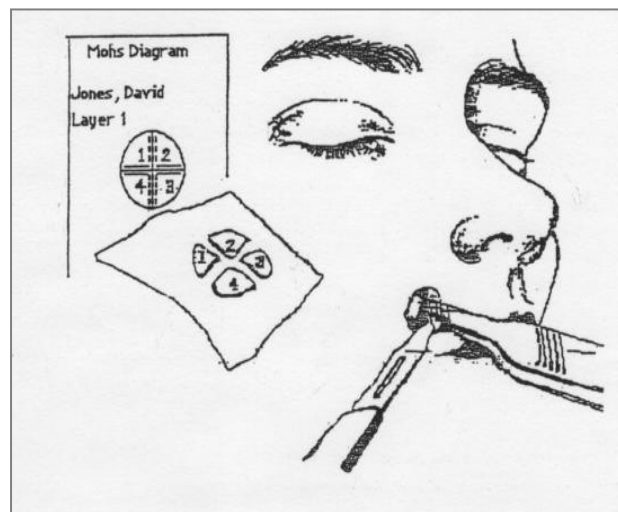
Mohs micrographic surgery is a method by which skin cancer is removed with the aid of a microscope. Because this method spares the most normal tissue while also achieving the highest cure rates of any removal method, it is the gold standard, or treatment of choice, to treat cancers of the skin.

On **most** occasions, the surgery can be accomplished in one appointment, all performed in our specialized outpatient surgery clinic using the following steps.

### **Phase I : The surgical room dissection**

After filling out some background forms, and answering all of your questions, the surgeon will mark with an ink pen all of the visible boundaries of the skin cancer. Next, a local anesthetic will be administered to numb or “freeze” the area.

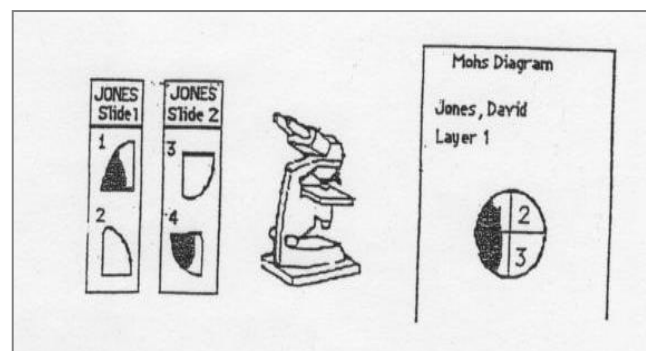
After the numbing, the surgeon will use a scalpel to remove the visible portions of the cancer in one pass. Next, the surgeon will divide your specimen into pieces and he will ink the edges with special dyes for orientation. A drawing is made on your chart showing what the specimen looked like and how it was divided and marked. This is our “map” and what we use for precise orientation. The diagram will exactly match the specimen that arrives in the lab.



### **Phase II: The laboratory freezing and cutting process**

Immediately after the drawing is made, the tissue is taken to the laboratory so each piece of tissue can be prepared for viewing under the microscope. The tissue is prepared in such a way that when looking at it under the microscope, the Mohs surgeon can see the normal tissue and any cancer that may be present.

The surgeon can tell in what direction the





KOUBA  
DERMATOLOGY

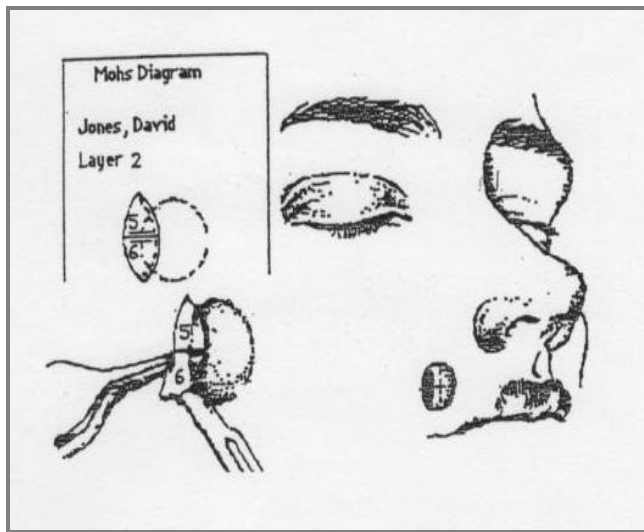
AFFILIATED WITH  
The Toledo Clinic

David J. Kouba, M.D., PhD  
7301 Secor Road  
Lambertville, MI 48144  
P: 419.479.5795  
F: 419.479.5797  
**ToledoClinic.com**

cancer is spreading. It is also possible that the first specimen may be free of tumor.

### **Phase III: Repeating the process until the cancer is gone**

If any cancer is seen, the site of the tumor is located relative to the marked edges viewed under the microscope. Then the location of the tumor is drawn in on the diagram. The Mohs surgeon uses the diagram to guide him in the removal of the next specimen. This is done on the same day.



### **Phase IV: The repair.**

After the cancer has been removed, the surgeon will first plan out, and then reconstruct the wound. This is when their training as a cosmetic surgeon to give you the best aesthetic result possible!

**In most cases, the surgeon will do the repairs on the very same day. However, in some of the more advanced cases the surgeon will use the facilities in the outpatient surgery center operating room. This is located on the first floor of the Toledo clinic. If you need reconstruction in the OR, then you will receive a bandage to go home with and arrangements will be made for your repair.**