

# Botanical Hydrogel\* with Broad-spectrum Antimicrobial Properties Promotes Healing Post-Mohs Surgery

## Introduction

Mohs surgery is a precise, outpatient procedure to remove high-risk skin cancer while preserving healthy tissue. The process of microscopic examination and layer-by-layer excision allows for complete tumor removal and high cure rates. Attaining clear margins, often results in tissue loss, dermal surface cavitation, and scarring. Effective protection of the wound following surgery can be coupled with post-surgical adjuvants that hasten the process without compromising complete healing. This case study evaluated two patients treated for facial cancers that were treated with an anti-microbial hydrogel to examine

## Methods

Wound healing Two cases of melanoma were treated by Mohs Procedure to obtain free edges of healthy skin and remove all traces of tumor. Both cases were facial procedures and cosmetic aesthetics was considered a critical achievement for evaluating success. Patient A , a 65-year-old male, required an incision approximating 5cm with 17 sutures required to close. The procedure in Patient B, a 50-year old male, resulted in a 1-cm wound. Floraseptic Hydrogel was placed directly on the wound following surgery until healed.



### Case One

**Patient:** 65-year-old male with skin cancer on left cheek

**Treatment:** Removal of skin cancer using Mohs Surgical Procedure

**Wound Measurement:** 5cm, 17 sutures total, 7 below and 10 on top, 17 sutures total, post mohs surgery

**Outcome:** Expedited Healing, Amazing Cosmetic Outcome, Zero Complications.



### Case Two

**Patient:** 50-year-old male with skin cancer on left tip of nose

**Treatment:** Removal of skin cancer using Mohs Surgical Procedure

**Wound Measurement:** 1-cm post mohs surgery

**Outcome:** Expedited Healing, Amazing Cosmetic Outcome, Zero Complications.

## Results

All evidence of wound was closed in 5 days, appropriate color of the skin was attained, and sutures were removed. By 30 days no indication of surgery was detectable. No post-surgical dehiscence, or fibrous scarring occurred.

## Discussion

Antimicrobial Hydrogel\* was developed from botanical formulation to promote healing, provide antimicrobial protection, and sustain a balanced and optimized pH. Previous evaluations in spine surgery have demonstrated a reduction in post-surgical infections and accelerated healing.<sup>1</sup>