

# Looped Skin Hooks "Roberts Retractor"

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## Technology description

### Technology:

Surgeons and researchers at MUSC have created a new design for a skin hook that enables a gripping orientation more clinician-friendly from the traditional pencil-grip style. The design terminates in a loop that may fit around a finger. This loop design may reduce fatigue and permit a single hand to hold more than one skin hook. While introducing this new gripping method, the design also allows a traditional pencil-grip holding technique if desired.



### Overview:

This design would be useful in any procedure where skin hooks are necessary, particularly procedures that are long or require multiple points of contact to keep skin out of the operating window. This design may reduce fatigue which means a more consistent operating window for longer. This design also enables one person to hold more skin hooks from a wider variety of angles by enabling more than one skin hook to be manipulated by a single hand.

Key Words: skin hook, surgical instrument, retractor

## Application area

any type of invasive surgeries

## Advantages

Comfort:User may experience less fatigue than they would using traditional skin hooks.

Adaptable:A single user can adapt to more operating window shapes.

## Institution

[Medical University of South Carolina](#)

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