Overview
The most important procedure for dermatologists to conduct is the total-body skin exam (TBSE). Over one third (+33%) of melanomas are missed after the performance of a TBSE. In order to reduce the variability within each exam, decrease the amount of movements between the patient and the doctor, and increase efficiency of the exam, a standardized process is necessary.

Objectives
The team’s objective was to standardize the total-body skin examination in order to address variability, movement, and efficiency of the current processes.

Approach
The team analyzed 20 videos of TBSE’s, and separated the analysis to focus on efficiency, movement, and process.

- Efficiency:
  - Aimed to understand how time was being spent on different parts of the body and analyzed the different doctor experience levels

- Movement:
  - Aimed to understand how both doctors and patients changed positions and quantified major and minor movements

- Process:
  - Aimed to understand in what order each doctor studied the segments of the body

Outcomes
A standardized procedure has been developed using the results from the analyzed videos.
While the patient is sitting, the dermatologist examines:
Face → Scalp → Neck → Arms → Chest → Stomach → Legs → Feet
The patient then stands and the dermatologist examines:
Back of scalp → Back of neck → Back → Back of legs