Case Report 6
Using the Spincare™ System for partial thickness burn
Rambam Health Care Campus

Introduction
Over 30,000 people suffer new burns worldwide every day that are severe enough to warrant medical attention. Most burns are considered to be partial thickness skin wounds, requiring a well-orchestrated, complex healing process. Various skin substitutes and dressings offer potential advantages over traditional treatments. Spincare uses Electrospun Healing Fibers (EHF™) to create an on-the-spot, fully tailored nanofibrous personalized matrix for any wound shape and contour using electrospinning technology, which structurally mimics the extracellular matrix, serving as an excellent medium for tissue repair and healing.

Case Results
The Spincare matrix stayed on for the full healing period, with no need of reapplication and showed excellent adherence to the wound throughout the healing period. Its transparency constantly permitted wound evaluation and its adherence and flexibility granted the preservation of range of motion. The Spincare matrix tolerated unrestricted use of hands whereas traditional bandages would have restricted it.

Conclusions
Shoulder burns are notoriously difficult to dress due to the anatomy and movement of the joint. Traditional dressings tend to be bulky and need to be wrapped around the torso to be kept in place, and showers are usually impossible. The properties of the Spincare matrix are maintaining range of motion, the avoidance of painful dressing changes and permitted showering freely during the healing process.