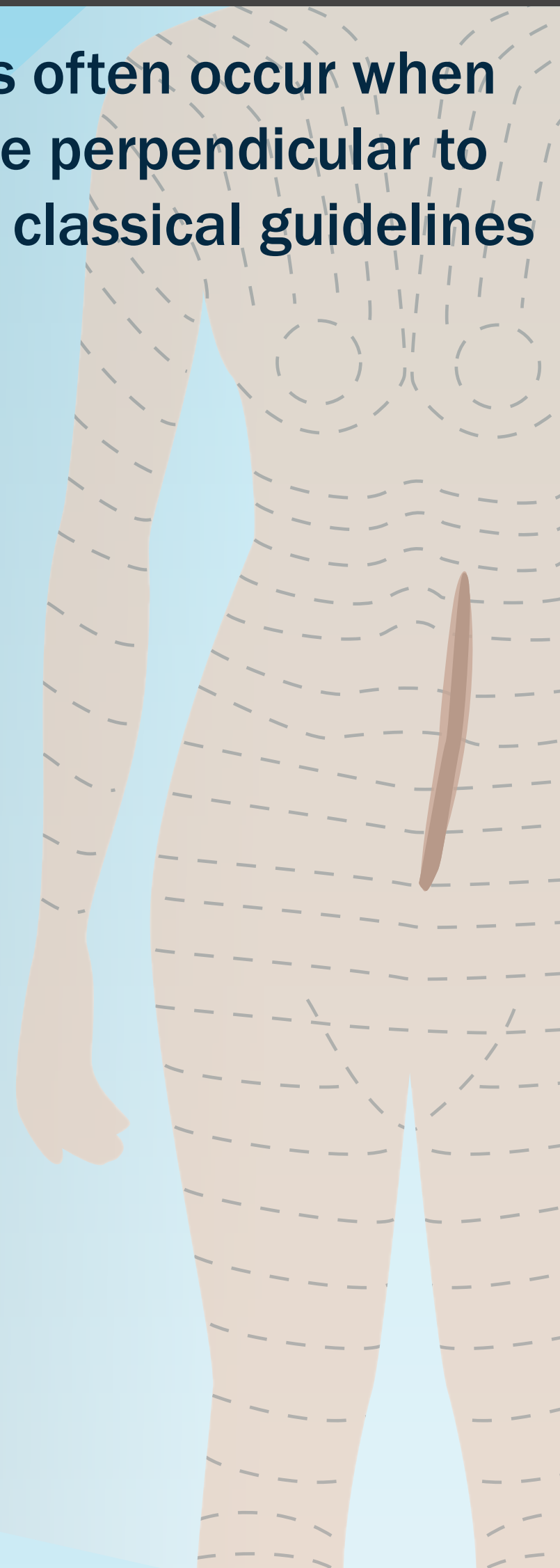
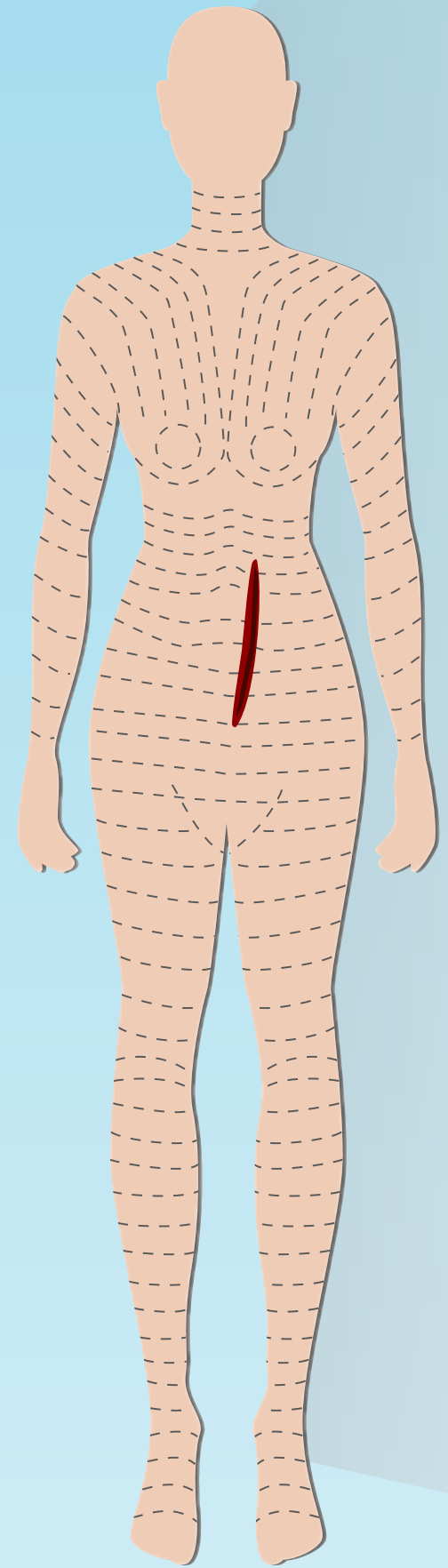
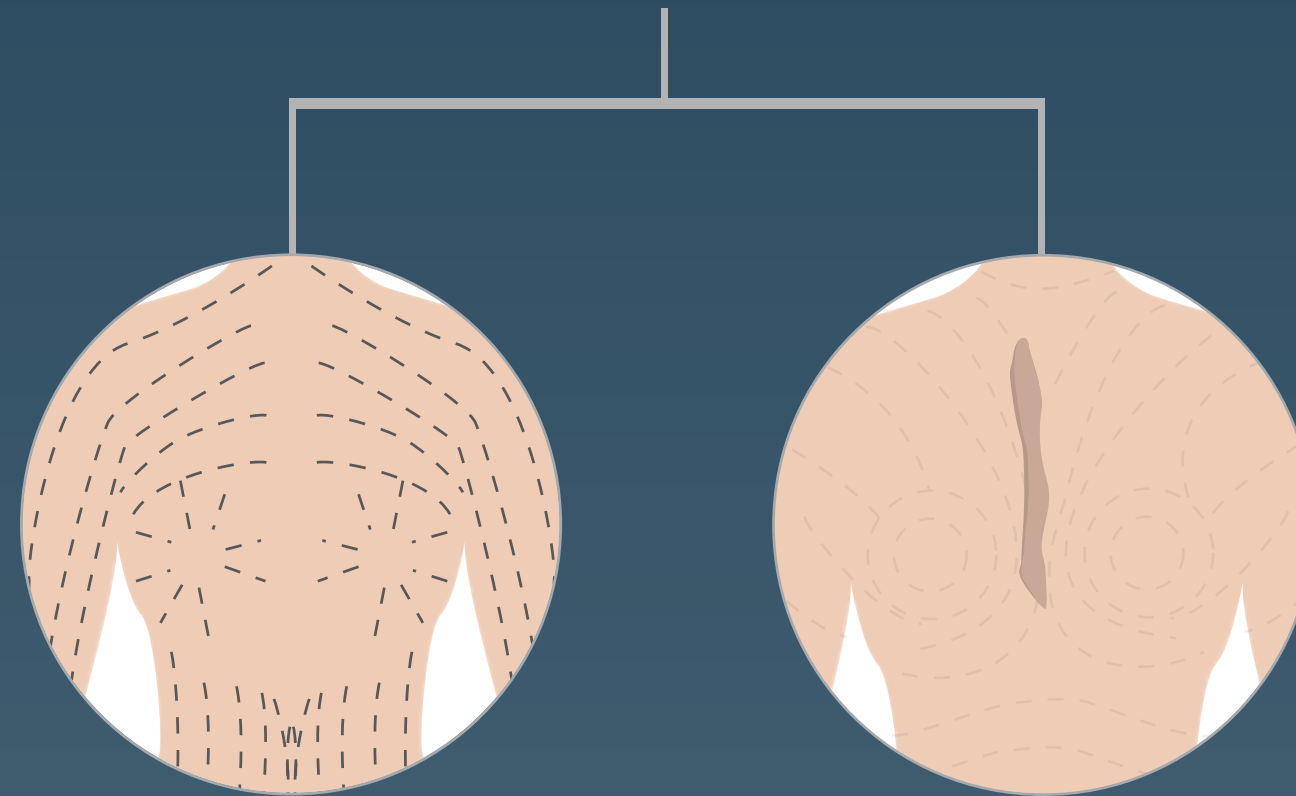


Minimizing Scar Formation After Common Orthopaedic Surgeries

Hypertrophic scars often occur when incisions are made perpendicular to skinfolds, based on classical guidelines



Study evaluated...

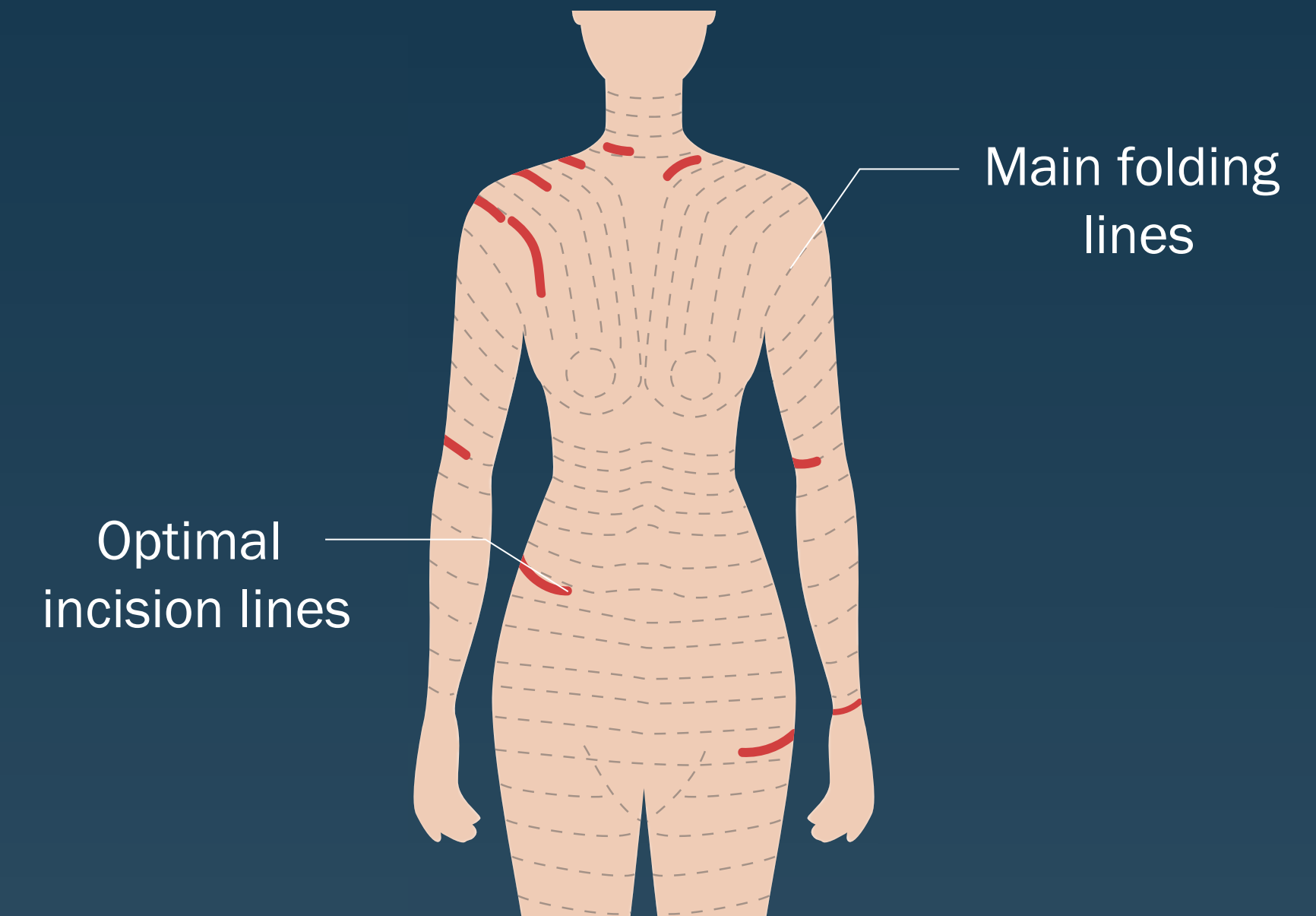


213 images of striae distensae

276 images of incisions

...to develop guidelines for surgeons to avoid hypertrophic scars when making common orthopaedic incisions

Striae are a more objective indicator for the direction of true tension lines



Optimal incision lines

Main folding lines

Optimal incision lines should be determined by following the main folding lines of the skin



Surgeons should comprehensively consider the target site and direction of underlying muscles, nerves and vessels to minimize hypertrophic scarring

Minimal Scar Formation After Orthopaedic Skin Incisions Along Main Folding Lines

Lemperle et al. (2019)

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