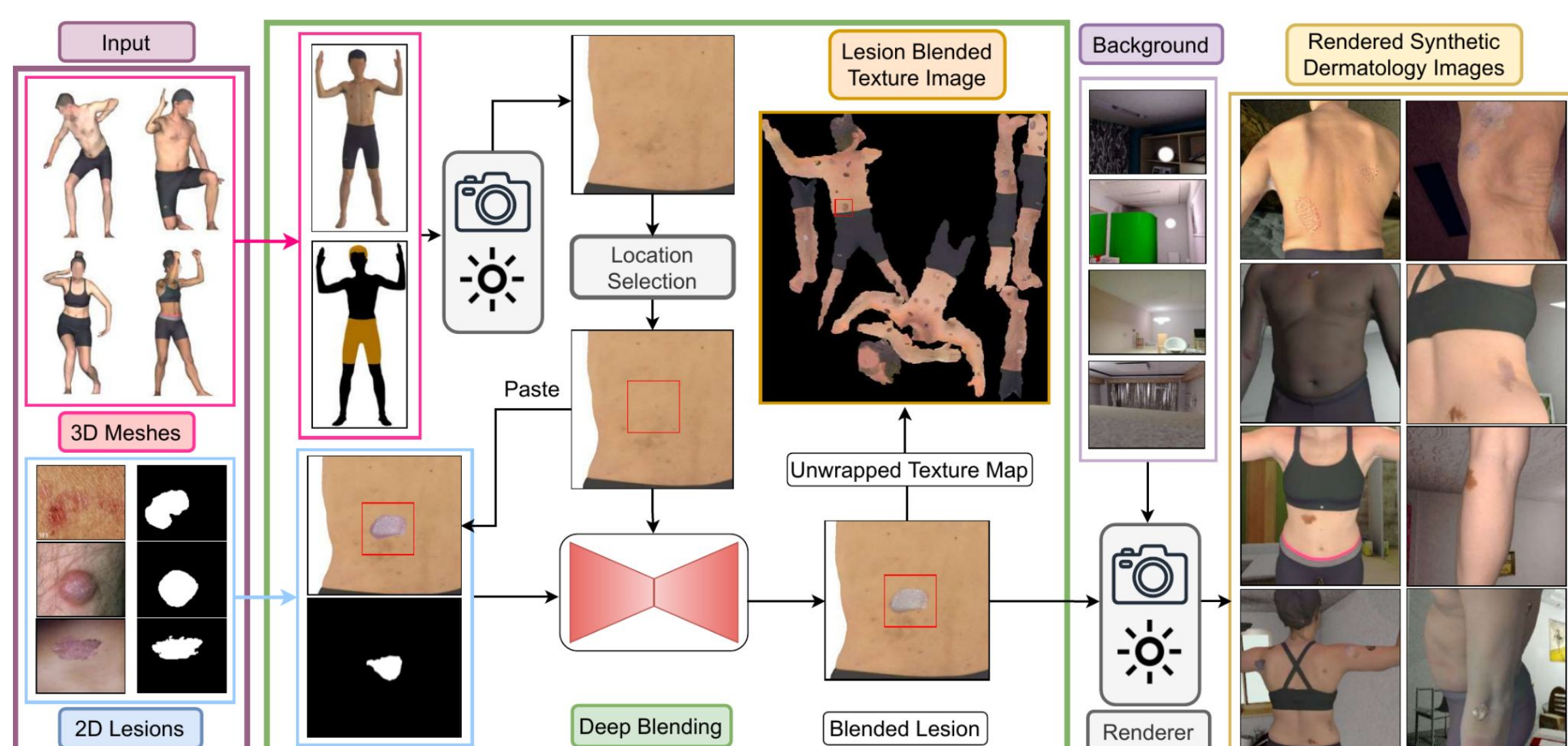


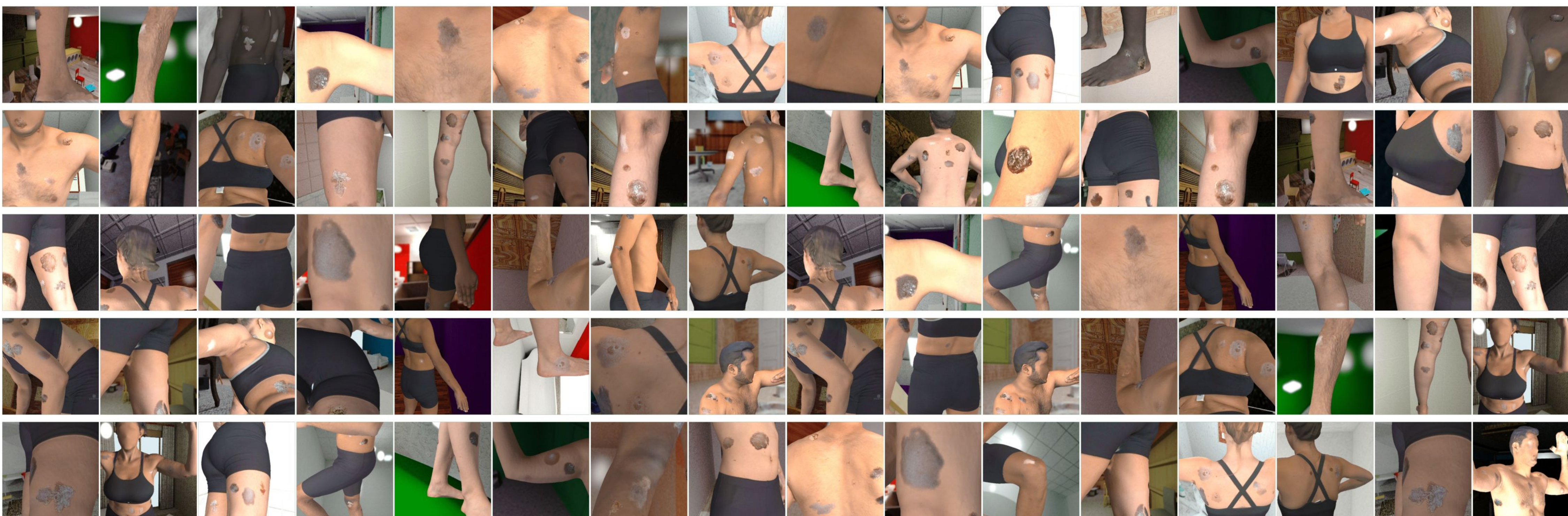
Highlights

- **Synthesis** of skin lesion images by **rendering 2D views** of a **3D scene**.
- Skin lesion **blending** on **3D human textured meshes** at **optimized body locations** with controlled lighting, choice of background, and optimal camera viewpoint.
- 2D images with **dense annotations** for skin, lesion and body-part segmentation.
- **Synthetic data with annotations** can be used to train DL models for **downstream dermatological tasks**.
- **Open-source** modular code and datasets.

Overview



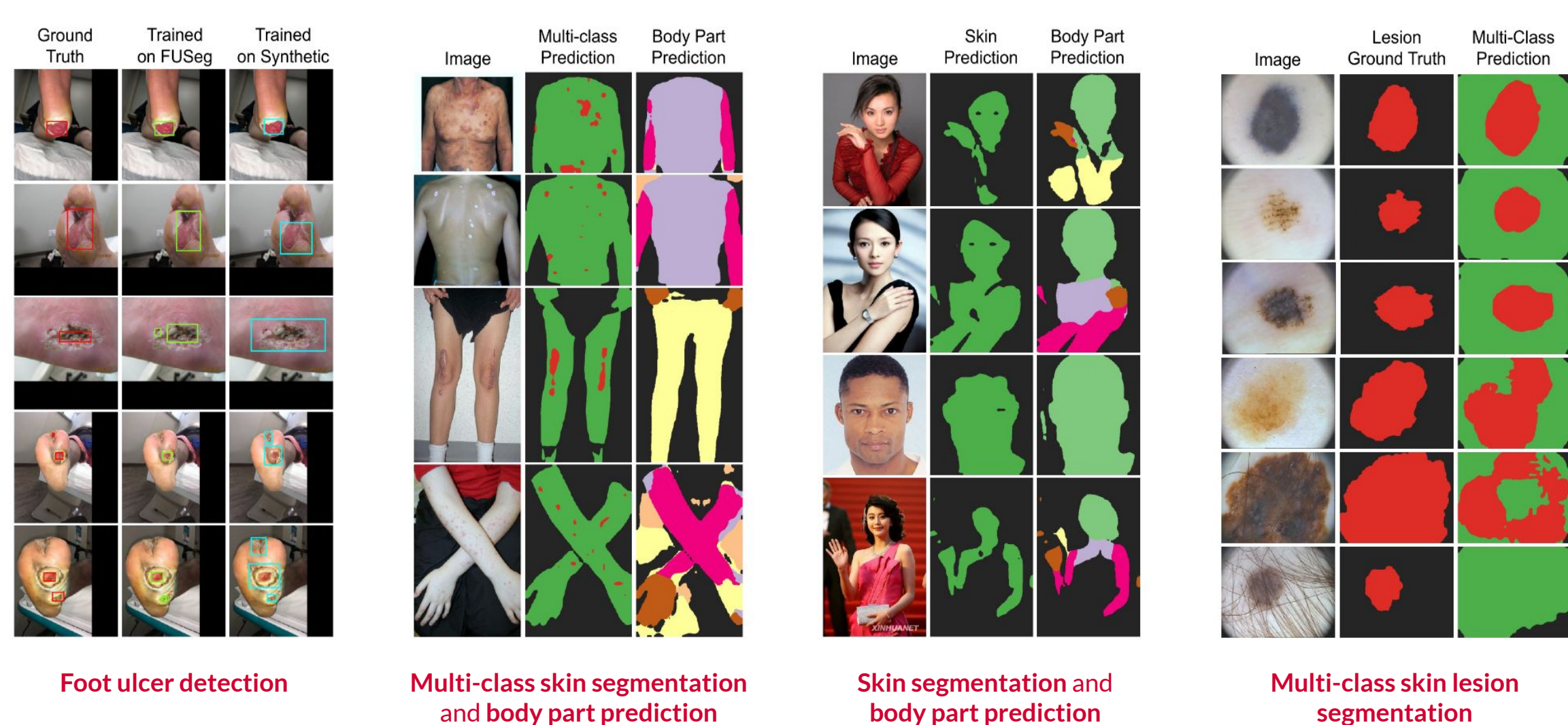
Sample Synthetic Images



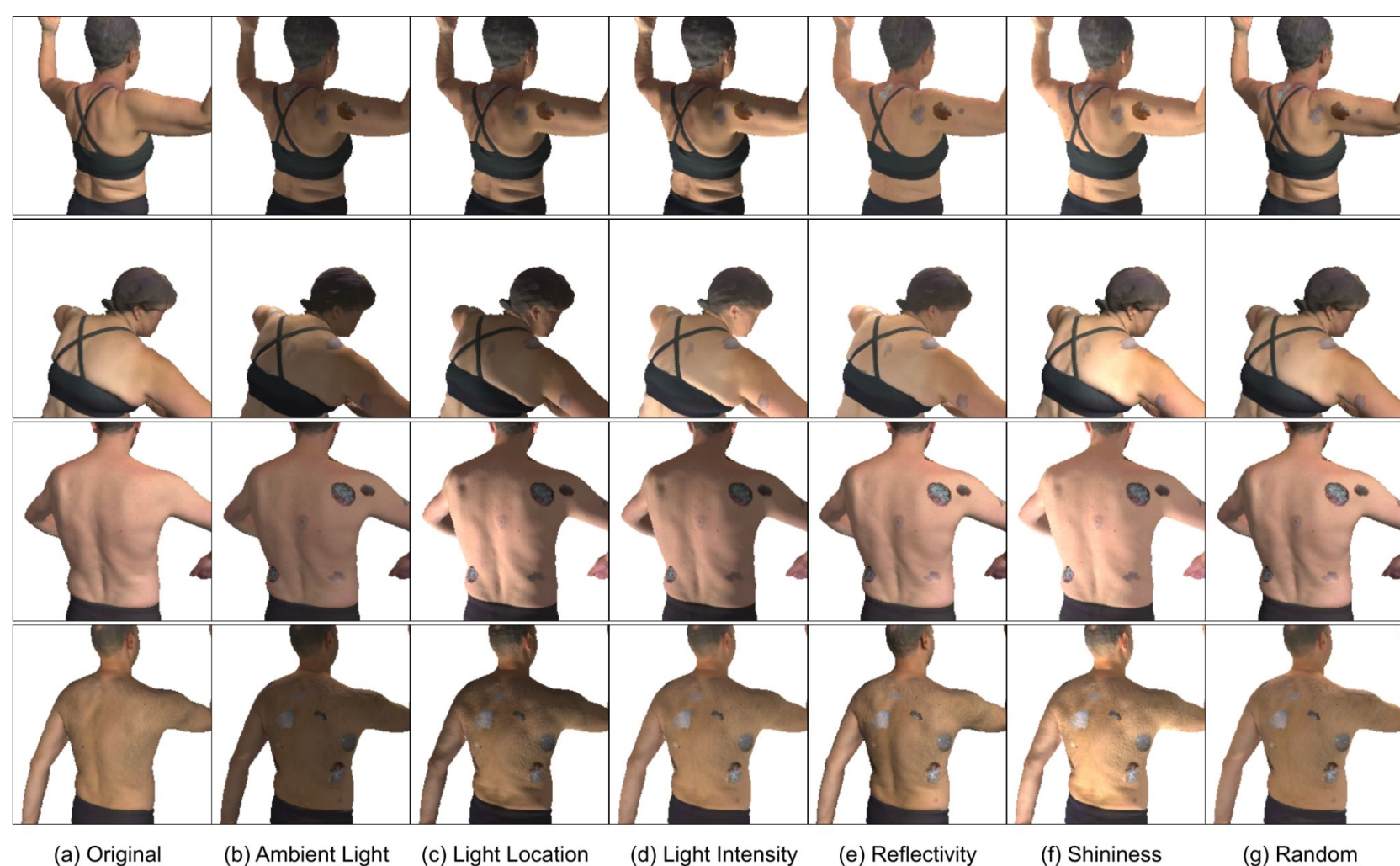
Dense Annotations



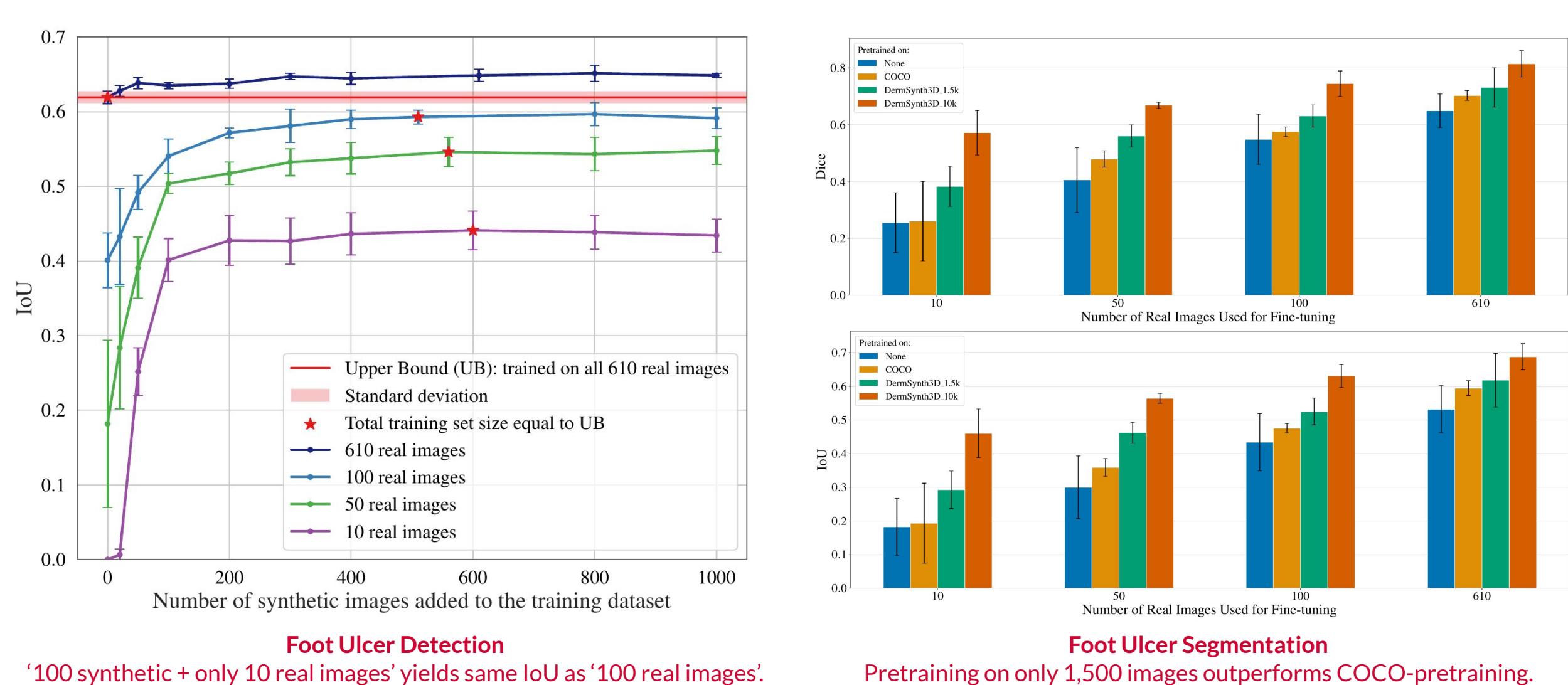
Qualitative Results: Downstream Tasks



Lighting Variation



Quantitative Results



Acknowledgements

