

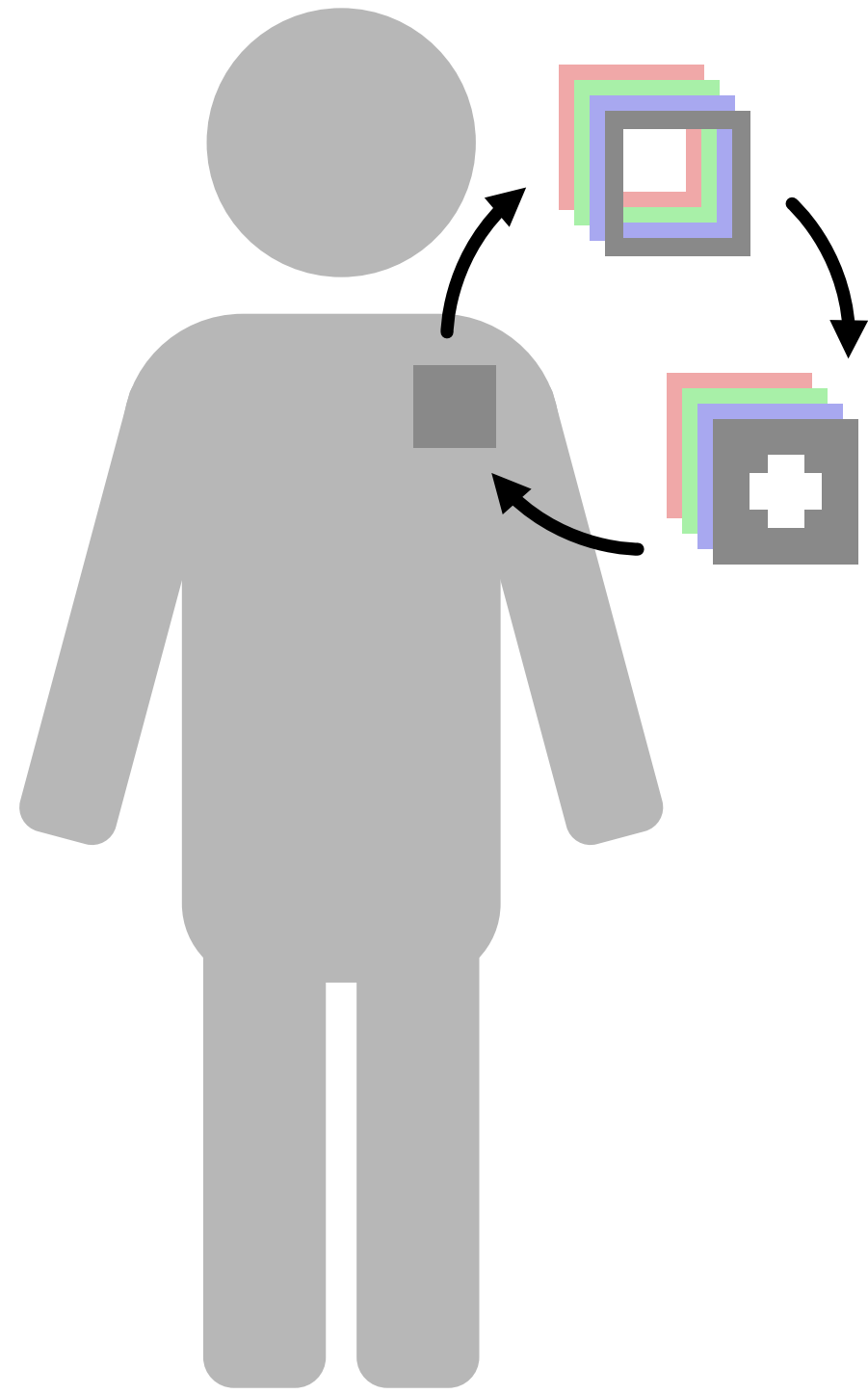
# Diffusion Models in Dermatological Education: Flexible High Quality Image Generation for VR-based Clinical Simulations

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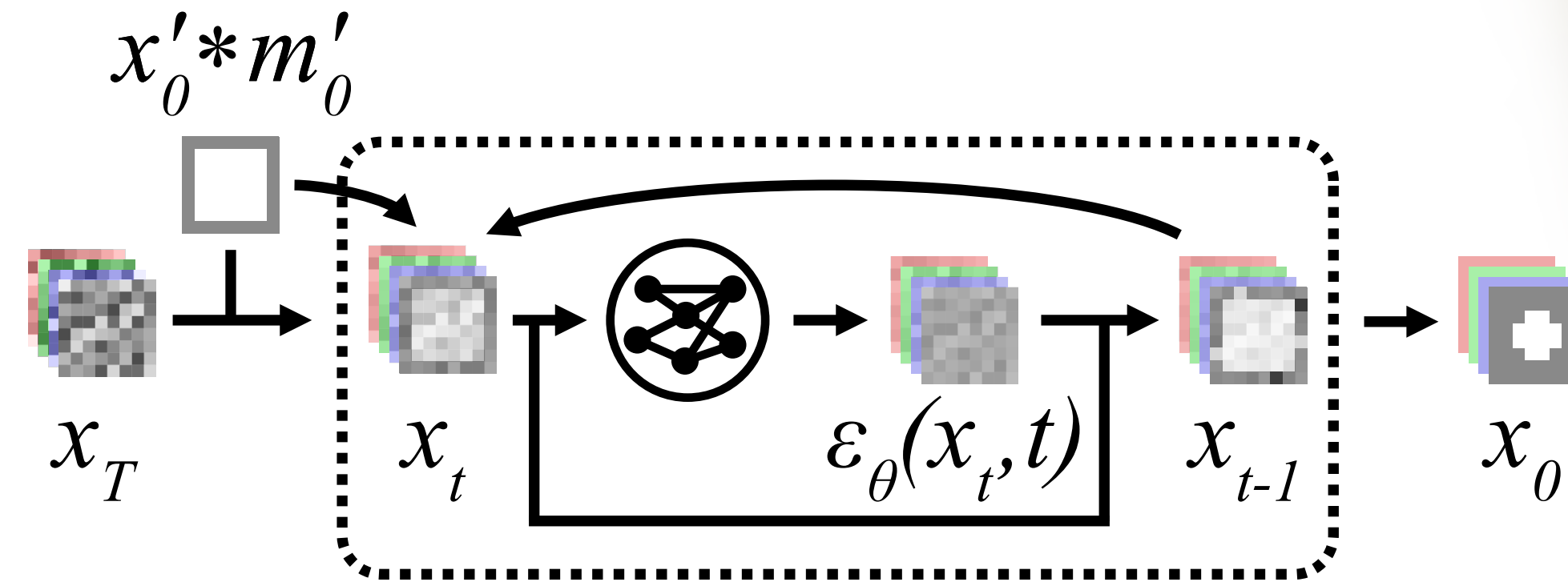
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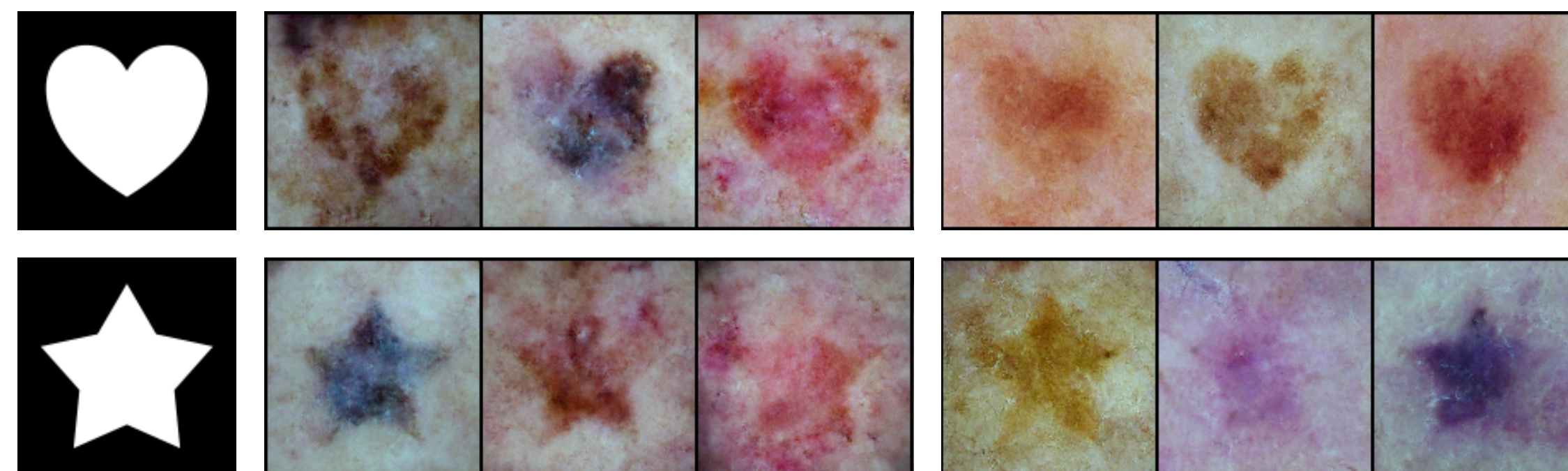
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**Figure 1:** Skin patch cropped from the agent's texture and filled with lesion using Border Guiding



**Figure 2:** Sampling process of image  $x_0$  with already known region  $x'_0$



**Figure 3:** Segmentation Guiding masks (left), melanoma (middle) and nevus results (right)



**Figure 4:** Screenshot from the VR-based clinical simulation