Devising a Method for Physically Generating Phase Aberration in Ultrasounds Using Phantoms

Braden Huneycutt, Ying-Chun Pan, Katy Craft, Christopher Khan, Dr. Brett Byram

Supporting Information

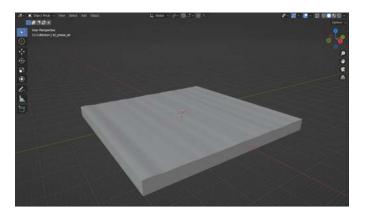


Figure S1. A completed aberration profile designed in Blender3D

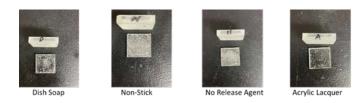


Figure S2. Observational comparison between release agents dish soap, non-stick spray, and acrylic lacquer. We made test phantoms using these conditions, and the phantom made with acrylic lacquer as a release agent was the cleanest, as demonstrated by the lack of bubbles or clouding.

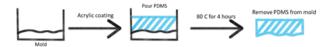


Figure S3. Visual representation of the steps used in the phantom making process

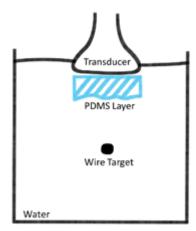


Figure S4. Visual representation of the imaging protocol