Figure 1: **Corpus Luteum segmentation goal and contour initialization.** (a) Unprocessed ultrasound image containing a corpus luteum; a small irregularly shaped cystic cavity is visualized within the CL; (b) Manual segmentation of the CL by a human expert. (c) A circular initial contour placed within the CL in the image in (a); (d) the surface ($\psi$) of the initial signed distance function in which the contour is embedded.