**Supplemental Figure 3.** Learning visualization. From top to bottom, four examples of concatenated inputs of stage 1, stage 2, stage 3 and stage 4 of keratoconus are displayed, respectively. From left to right: example images, saliency maps, images-overlapped saliency maps, Grad-CAMs and images-overlapped Grad-CAMs are displayed, respectively (hot (red) regions mean large contribution and cold (blue) regions mean small contribution).