Good animations of various nodes on a drum skin:

<https://www.acs.psu.edu/drussell/Demos/MembraneCircle/Circle.html>

Wikipedia:

<https://en.wikipedia.org/wiki/Vibrations_of_a_circular_membrane>

A wealth of synthesis methods including percussion and snare:

<https://www.soundonsound.com/techniques/synth-secrets-all-63-parts-sound-on-sound>