

Leiomyosarcoma of the inferior vena cava is an extremely rare malignant (cancerous) tumor arising from the smooth muscle lining the walls of the large vein that carries blood from the lower body to the heart (inferior vena cava). There are essentially two types of muscles in the body - voluntary and involuntary. Smooth muscles are involuntary muscles - the brain has no conscious control over them. Smooth muscles react involuntarily in response to various stimuli. For example, the smooth muscle in walls of blood vessels contracts to help regulate blood flow.