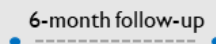


### Subject types and treatment status

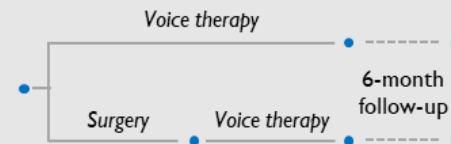
#### Muscle tension dysphonia patients



#### Matched normal controls



#### Vocal fold nodules patients



The VHCRC has developed a comprehensive theoretical framework for VH that guides, structures, and coordinates the center's research program. In the VH Framework, components addressed by the three center projects are indicated by Project 1 (P1), Project 2 (P2) and Project 3 (P3), respectively. Clinical interventions such as vocal fold surgery and voice therapy are italicized. Gray parenthetical text refers to VH factors that may be indirectly observed for the current investigations or will be targets of future work.