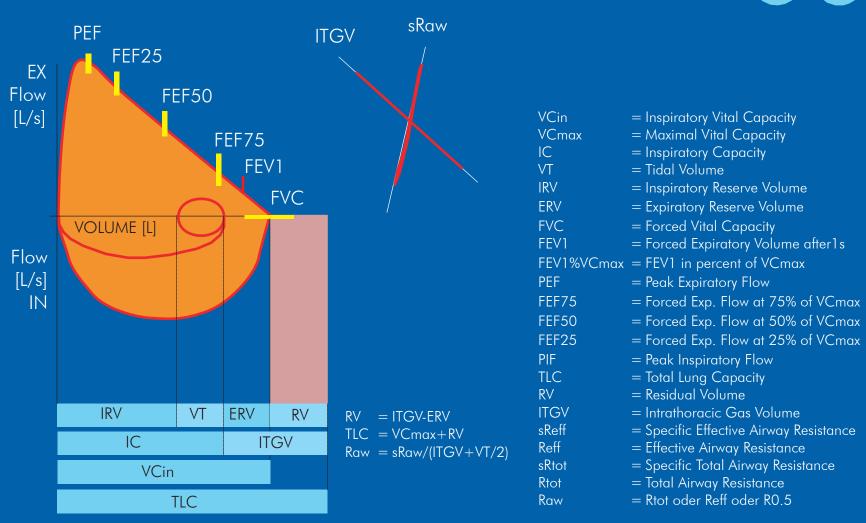


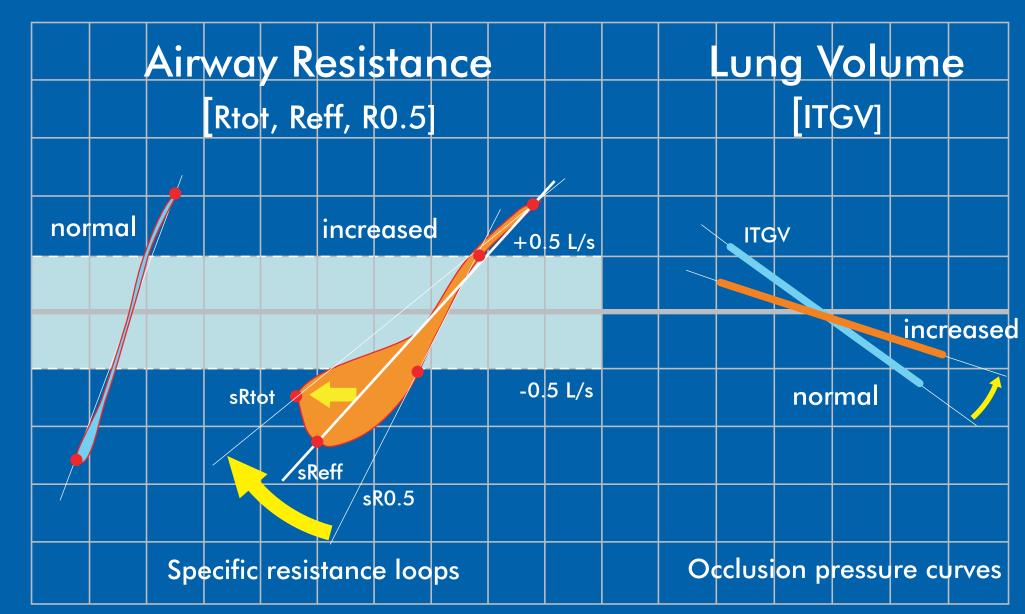
Parameterdefinition

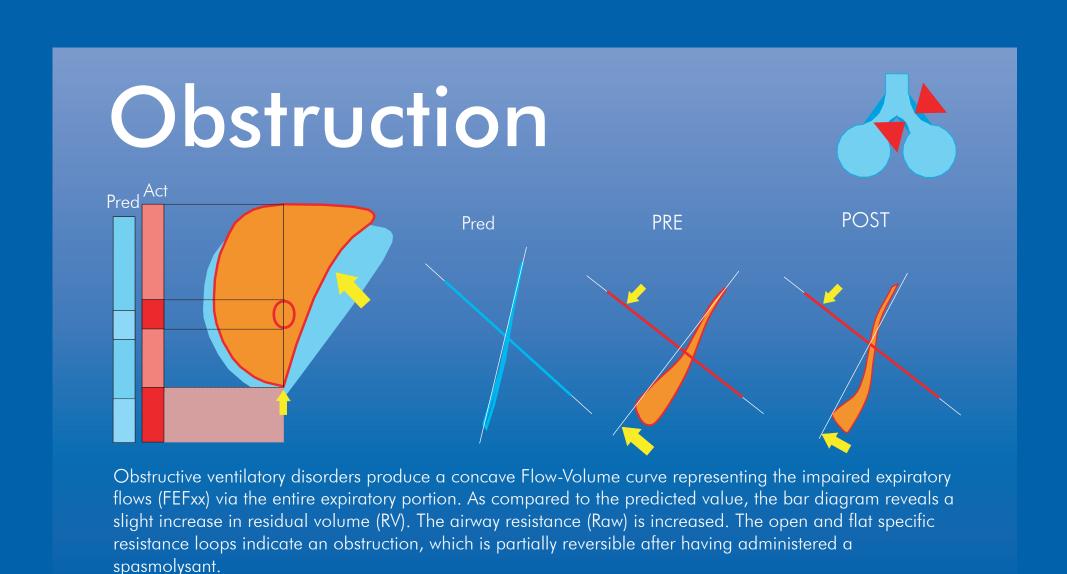


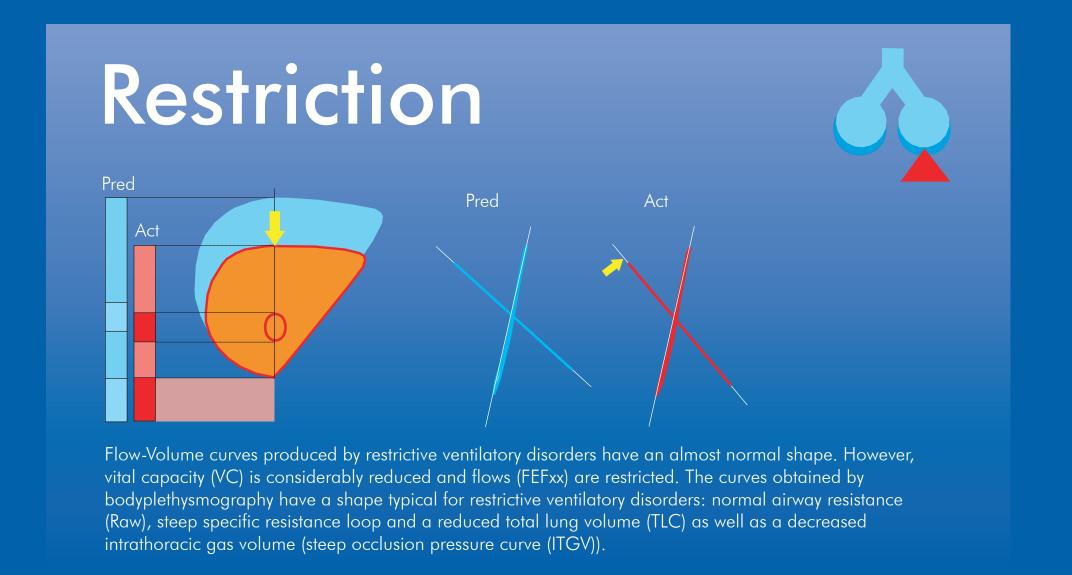


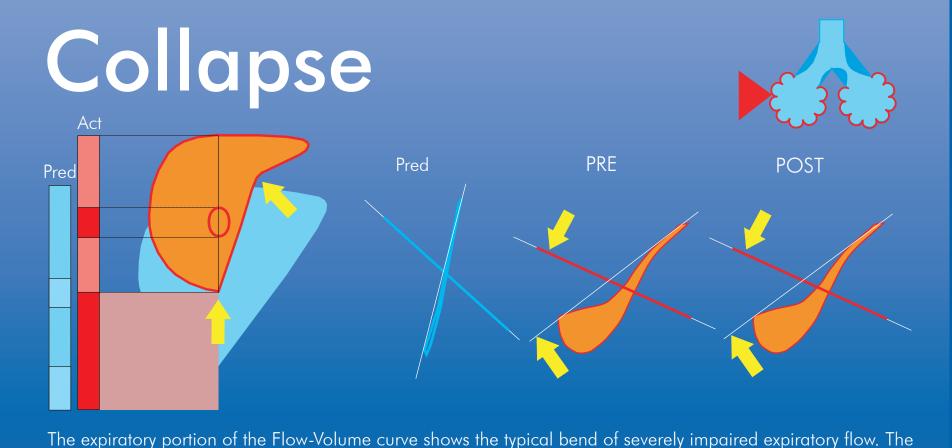
Normal Curves Pred Act tan Alpha Occlusion pressure curve (ITGV) Resistance loop tan Beta The inspiratory portion of the Flow-Volume curve has the shape of a crescent. The expiratory portion of the curve is triangle-shaped and shows a linear decrease in flow. All dynamic lung volumes (FEV1, FVC, VC, ...), flow values (FEFxx, PEF, ...), static lung volumes (TLC, ITGV, RV, ERV, ...) and the resulting airway resistance (Raw) are within the individual normal range. The loops of specific resistance (tan Beta) and the occlusion pressure curves (tan Alpha) show a normal angle of inclination.

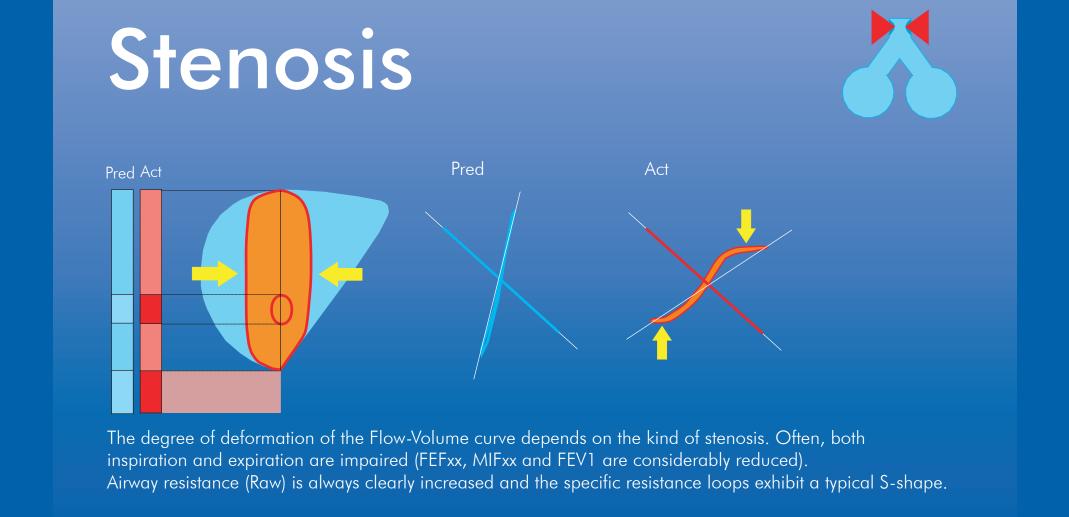
Interpretation of Bodyplethysmography and Forced Spirometry in Health and Disease











bar diagram indicates a considerably increased residual volume (RV), intrathoracic gas volume (ITGV), and total lung capacity (TLC). The airway resistance (Raw) is clearly increased. Typically club-shaped specific resistance loops give evidence of an expiratory airway collapse.

Very flat occlusion pressure curves indicate an increased intrathoracic lung volume. The curves cannot be reversed after having administered a spasmolysant.