Optimal Inflating Technique to Maximize Small Airway Constriction in Precision-cut Lung Slices

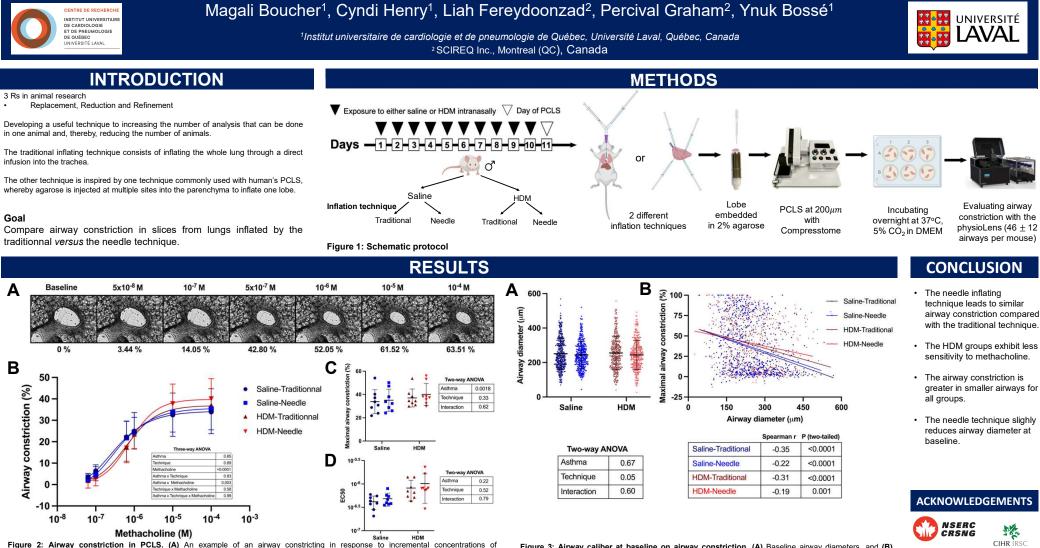


Figure 2: Airway constriction in PCLS. (A) An example of an airway constricting in response to incremental concentrations of methacholine. (B) Concentration-response curves displaying airway constriction over increasing concentration of methacholine, (C) maximal airway constriction at 10⁻⁴ M of methacholine, and the (D) ECS0 showing the concentration of methacholine causing 50% of the maximal response in mice exposed to either saline (blue) or house-dust mite (red) with their lung inflated with either the traditional technique (darker colors) or with the needle technique (brighter colors).

Figure 3: Airway caliber at baseline on airway constriction. (A) Baseline airway diameters, and (B) correlations between baseline airway diameters and maximal constrictions are shown in slices from mice exposed to either saline (blue) or house-dust mile (red) with their lung inflated with either the traditional technique (darker colors) or with the needle technique (brighter colors).

Canadian Institutes Institute de recherch of Health Research en samé du Canada

Fonds de

Québec 🔡