**Supplementary materials 2**

* + Accuracy (ACC) – proportion of true results (both [True Positives](https://en.wikipedia.org/wiki/True_positive) and [True Negatives](https://en.wikipedia.org/wiki/True_negative)), correctly identified among the total number of examined cases, with and without HPN, PTX, or HTX (True Positives + False Positives + False Negatives + True Negatives):

**ACC = (TP + TN) / (TP + FP + FN + TN)**

* + Sensitivity (SN) – proportion of True Positives, correctly identified among the total number of cases affected by HPN, PTX, or HTX (True Positives + False Negatives):

**SN = TP / (TP + FN)**

* + Specificity (SP) – proportion of True Negatives, correctly identified among the total number of cases not affected by HPN, PTX, or HTX (both True Negatives and False Positives):

**SP = TN / (TN + FP)**

* + Positive Predictive Value (PPV) – proportion of True Positives against all the positive results (both True Positives and [False Positives](https://en.wikipedia.org/wiki/False_positive)):

**PPV = TP / (TP + FP)**

* + Negative Predictive Value (NPV) – proportion of the True Negatives against all the negative results (both True Negative and False Negatives):

**NPV = TN / (TN + FN)**