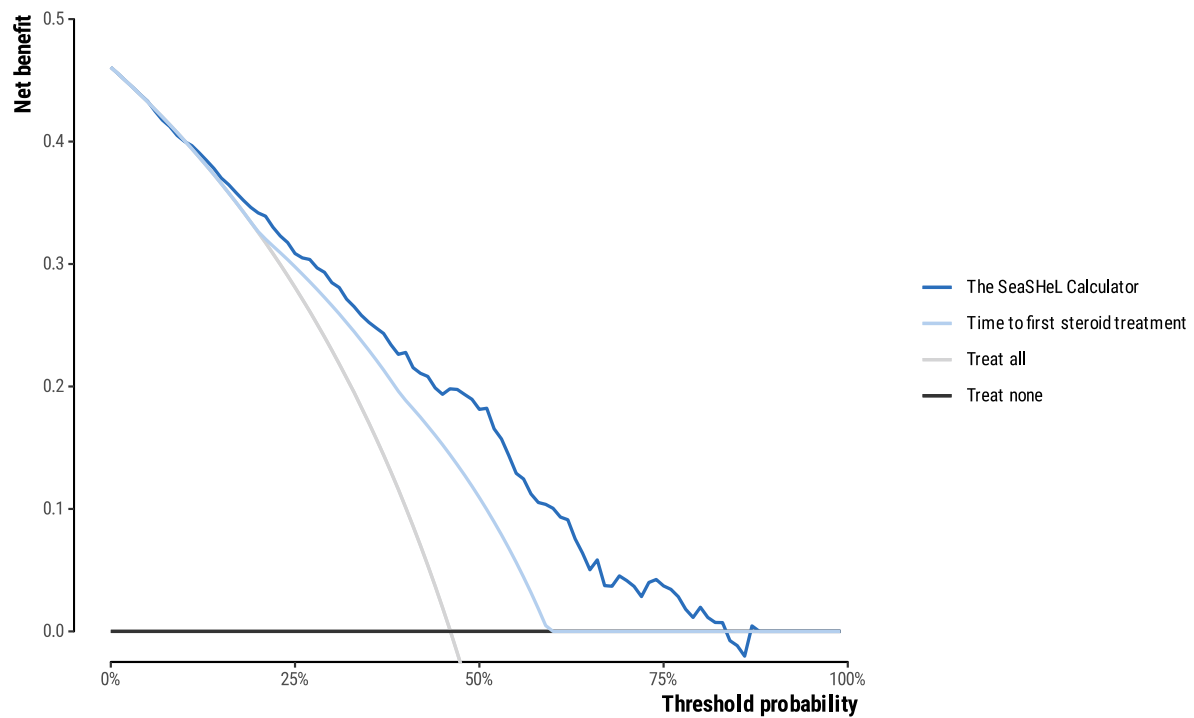


Figure 3: Decision-curve analysis to examine clinical utility for the model



Decision-curve analysis comparing the net benefits of 2 prognostic models (SeaSHeL Calculator (dark blue) and a model including the strongest predictor (time to first treatment) (light blue) across a range of threshold probabilities. The x-axis represents the threshold probability, which is the probability at which a decision to treat a patient is made. The y-axis represents the net benefit, calculated as a function of true positives and false positives, adjusted for the relative harm of false positives versus false negatives.

Curves that lie above the "treat none" (black) and "treat all" (grey) lines indicate a net positive benefit. The highest curve at any given threshold probability highlights the model with the greatest clinical utility at that specific threshold, aiding in optimal decision-making.