Supplemental Figure 10: Assessment of feature impact on MULTI-CLASS predictions for patients of WHITE ethnicity in the hold-out set. Assessment of feature impact on non-progression (Class 0, panel A), pain-only progression (Class 1, panel B), radiographic progression (Class 2, panel C) and both pain and radiographic progression (Class 3, panel D), using "Kernel-SHAP" for multi-class predictions with model AP5_mu. Left – impact distribution of the most important features. The colour represents the feature value (red = high, blue = low). A positive SHAP value represents a positive impact on class prediction.

Right – average impact magnitude of the most important features on class prediction.

