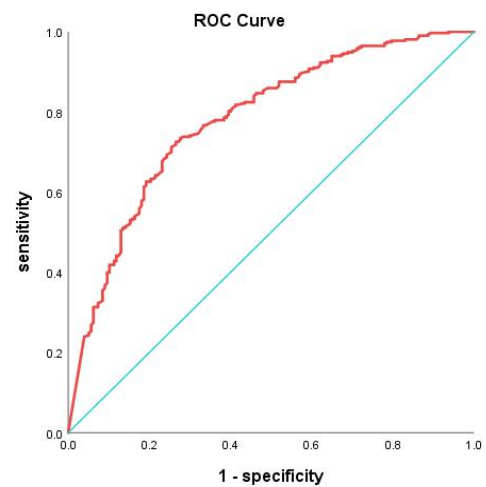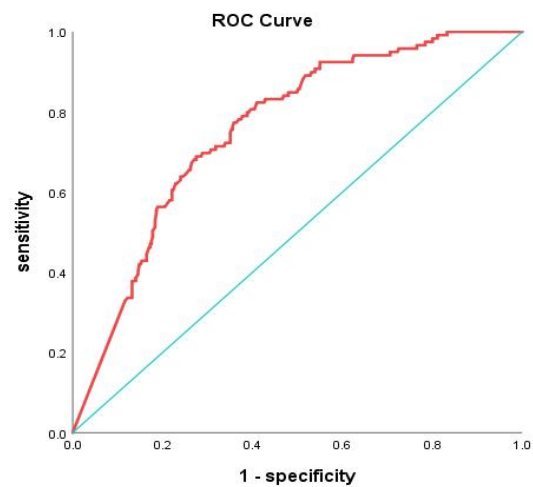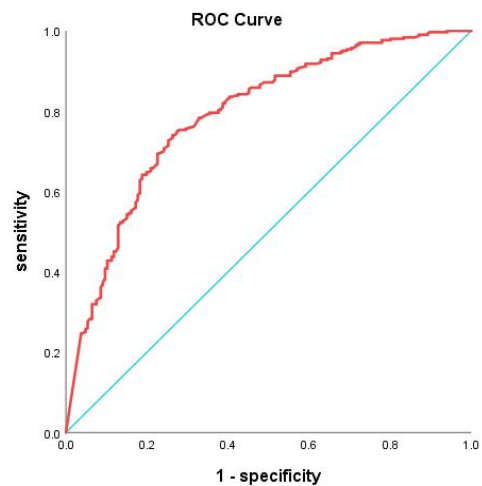Supplementary FIGURE 1

(A)
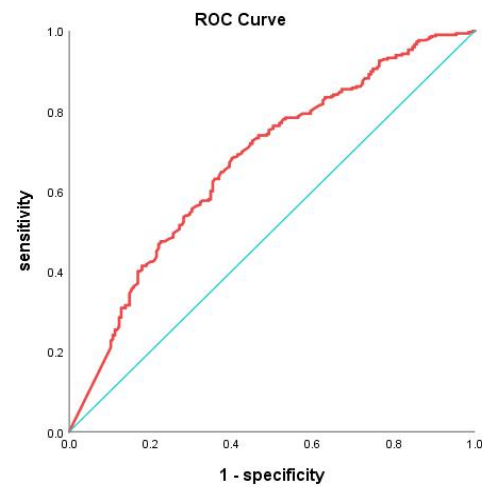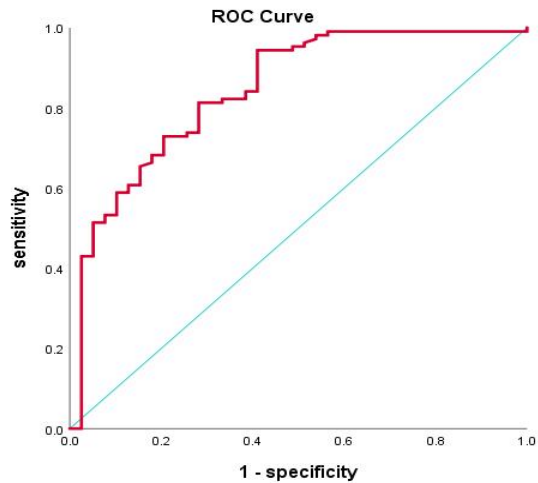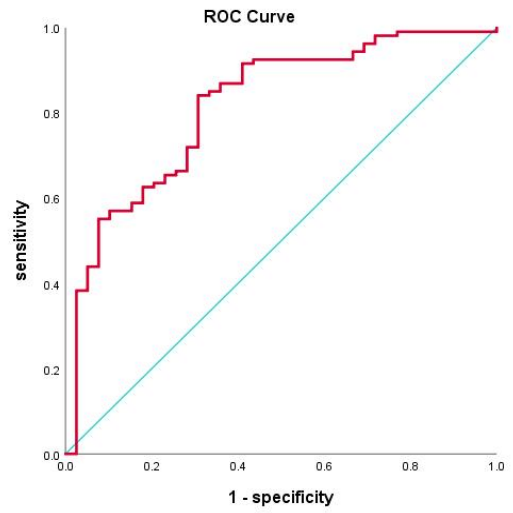

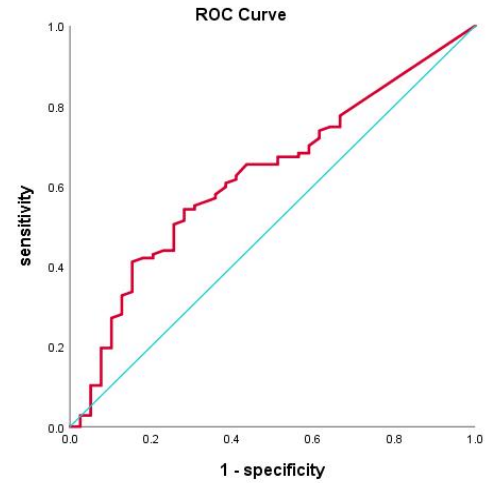(B)

(C)

(D)

Supplementary FIGURE 2

(A)

(B)

(C)

Supplementary Figure legends

Supplementary Figure 1. Association of baseline 25(OH)D and the levels of proteinuria in all enrolled patients. A. Predictive performance of baseline 25(OH)D for urinary protein $\geq$ 3.5g/d evaluated by ROC curves (AUC=0.780). B. Predictive performance of baseline 25(OH)D for urinary protein>8g/d evaluated by ROC curves (AUC=0.758). C. Predictive performances of baseline 25(OH)D for patients presenting with nephrotic syndrome evaluated by ROC curves (AUC=0.790). D. Predictive performances of baseline 25(OH)D for the seropositivity of anti-PLA2R Ab evaluated by ROC curves (AUC=0.672). 25(OH)D, 25-hydroxyvitamin D. ROC, receiver operating characteristic. AUC, the area under the ROC curve.

Supplementary Figure 2. Prediction of 25(OH)D for treatment responses in follow-up cohort. A. Predictive performance of follow-up 25(OH)D for remission (CR or PR) evaluated by ROC curves (AUC=0.844). B. Predictive performance of $\triangle$ 25(OH)D for remission (CR or PR) evaluated by ROC curves (AUC=0.817). C. Predictive performance of baseline 25(OH)D for remission (CR or PR) evaluated by ROC curves (AUC=0.625). 25(OH)D, 25-hydroxyvitamin D. ROC, receiver operating characteristic. AUC, the area under the ROC curve. $\triangle$25(OH)D was the difference of 25(OH)D between baseline and follow-up.

Supplementary TABLE 1

Baseline serum PTH levels of patients with different levels of proteinuria.

| Parameter | Total | Urinary protein (g/d) | | | P Value |
	n=339	<3.5 (n=121)	3.5-8.0 (n=131)	>8.0 (n=87)	
Serum PTH, pg/mL	30.70(22.90,44.60)	31.30(23.40,42.05)	29.40(22.80,43.20)	31.90(18.30,48.80)	0.690

PTH, parathyroid hormone.

Urinary protein:3.5-8.0g/L (≥3.5 and ≤8.0).

Data were presented as the median with interquartile range. A two-tailed P<0.05 was considered statistically significant.

Supplementary TABLE 2

Baseline serum PTH levels of NS patients with different outcomes

| | Total | CR+PR | NR | |
	n=102	n=70	n=32	P Value
Serum PTH, pg/mL	31.2(21.90,45.98)	30.20(17.88,40.35)	38.65(27.05,51.65)	0.017

NS, nephrotic syndrome; CR, complete remission; PR, partial remission; NR, non-remission/response, PTH, parathyroid hormone.

Data were presented as the median with interquartile range. A two-tailed P<0.05 was considered statistically significant.