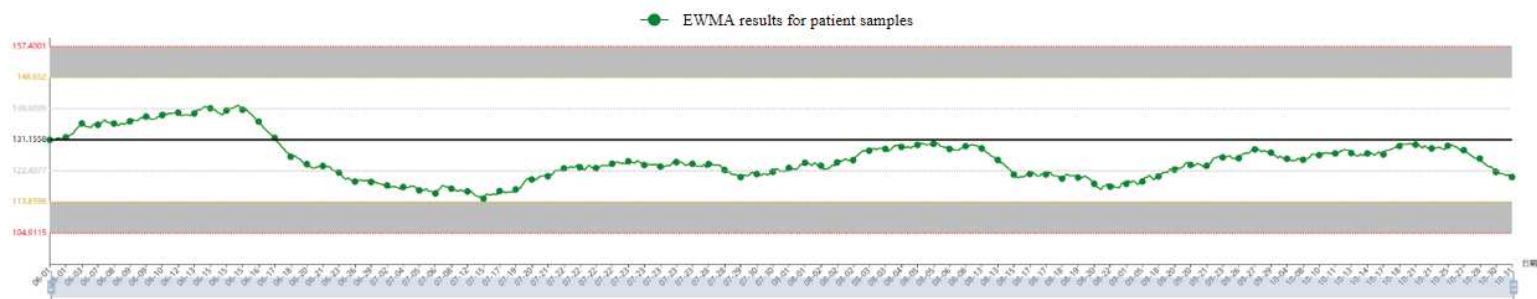


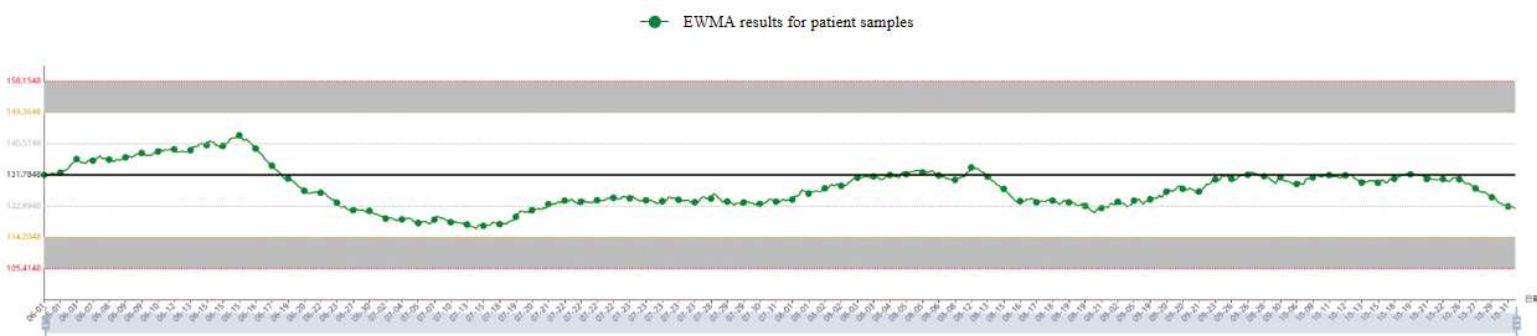
Attached Figure 1

The EWMA plot shows the different weighting factors in Supplementary

DXI800 TT4 78-186 EWMA chart (AI-PBRTQC λ : 0.02)

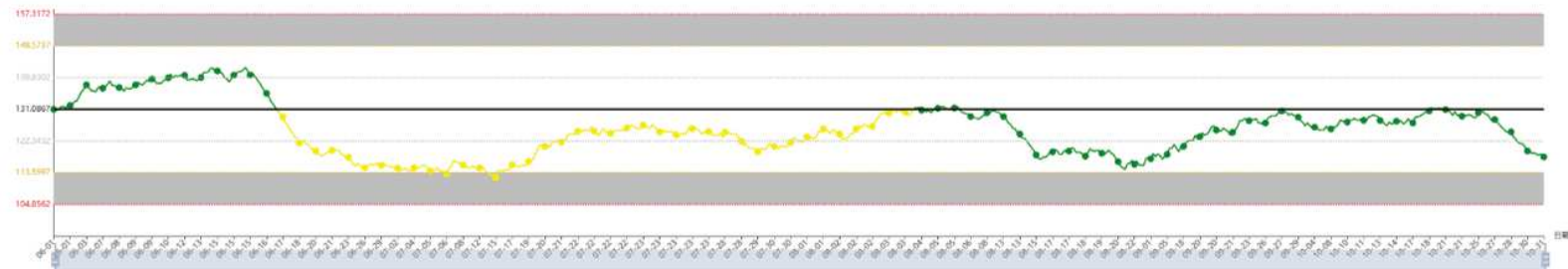


DXI800 TT4 82.15-200.19 EWMA chart (Tradition-PBRTQC λ : 0.02)



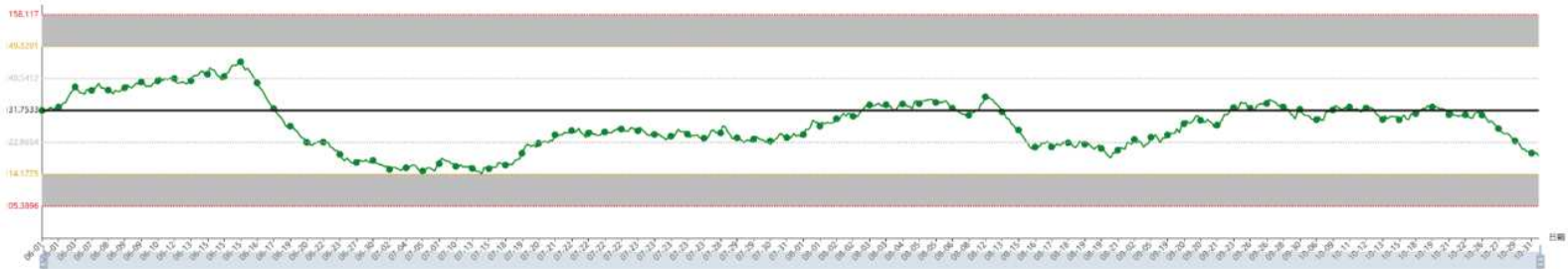
DXI800 TT4 78-186 EWMA chart (AI-PBRTQC λ : 0.03)

● EWMA results for patient samples



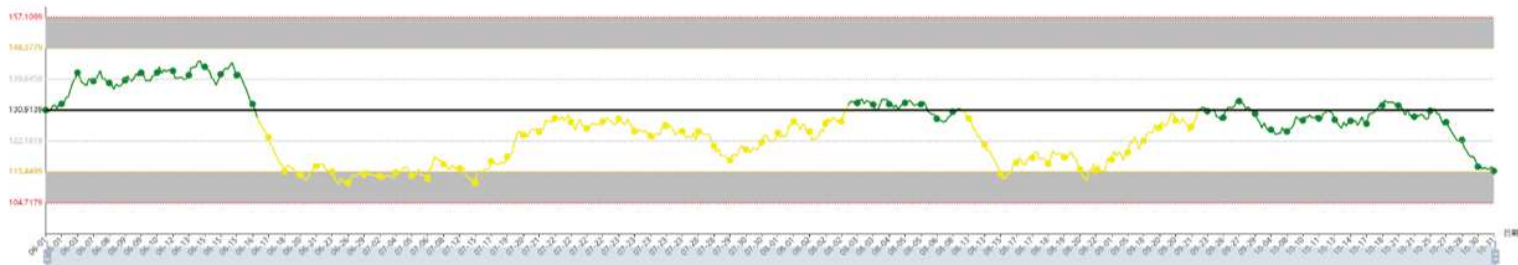
DXI800 TT4 82.15-200.19 EWMA chart (Tradition-PBRTQC λ : 0.03)

● EWMA results for patient samples



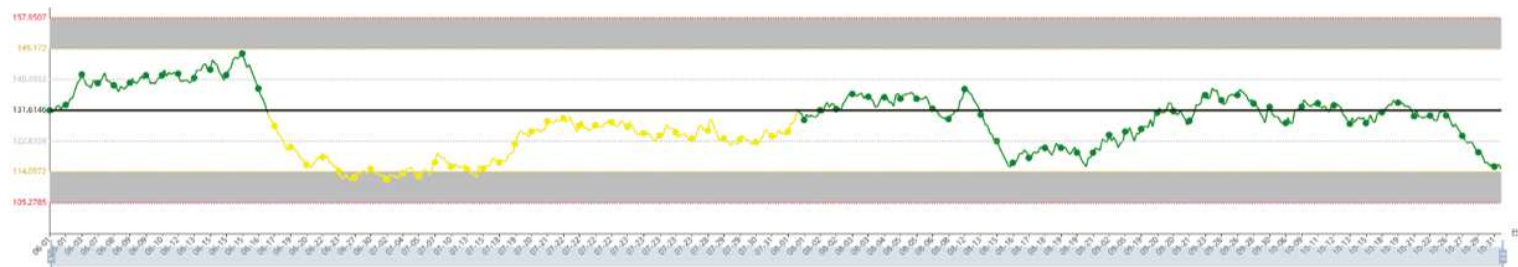
DXI800 TT4 78-186 EWMA chart (AI-PBRTQC λ : 0.05)

● EWMA results for patient samples



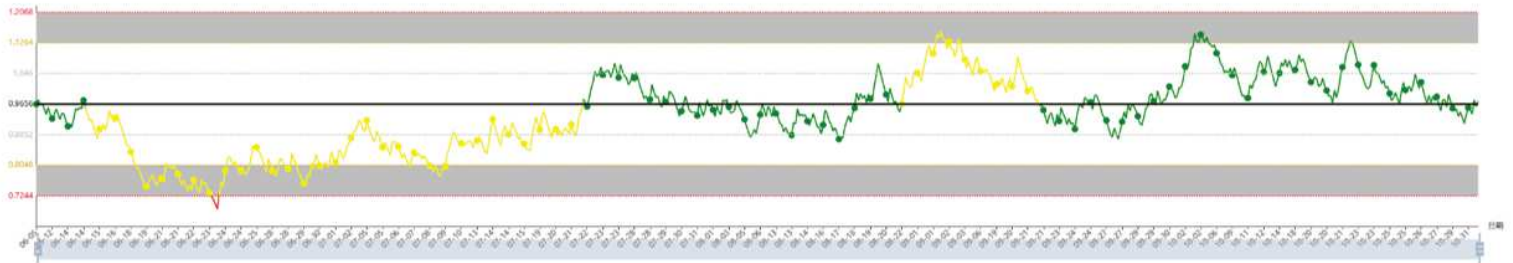
DXI800 TT4 82.15-200.19 EWMA chart (Tradition-PBRTQC λ : 0.05)

● EWMA results for patient samples



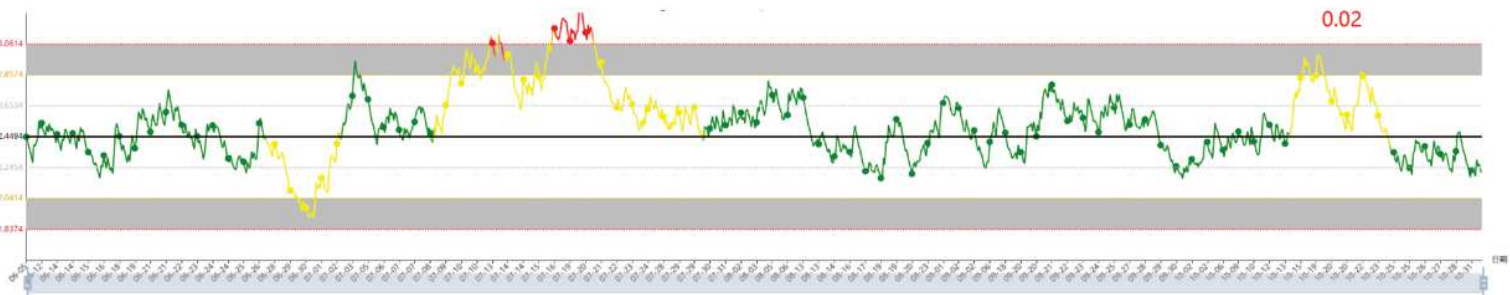
DXI800 AMH 0.02-2.96 EWMA chart (AI-PBRTQC λ : 0.02)

EWMA results for patient samples



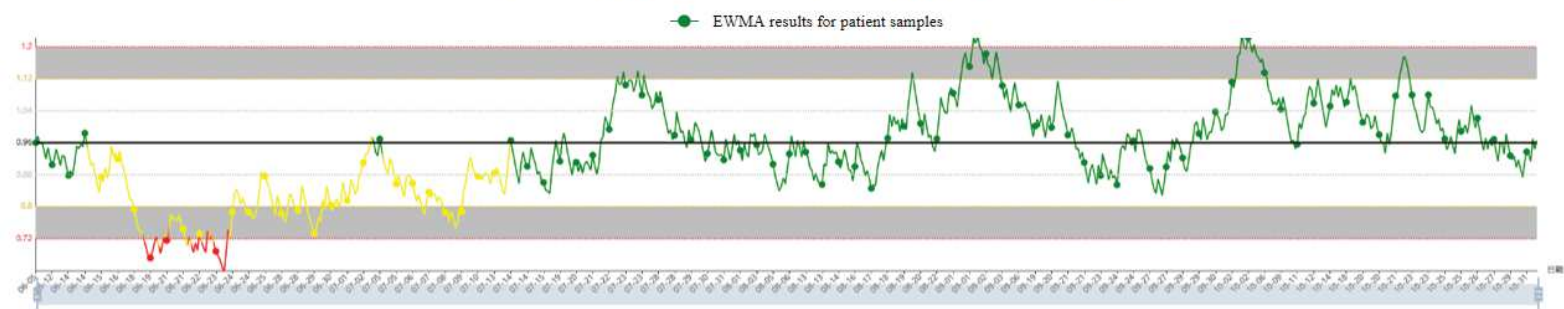
DXI800 AMH 0.02-10.14 EWMA chart (Tradition-PBRTQC λ : 0.02)

EWMA results for patient samples

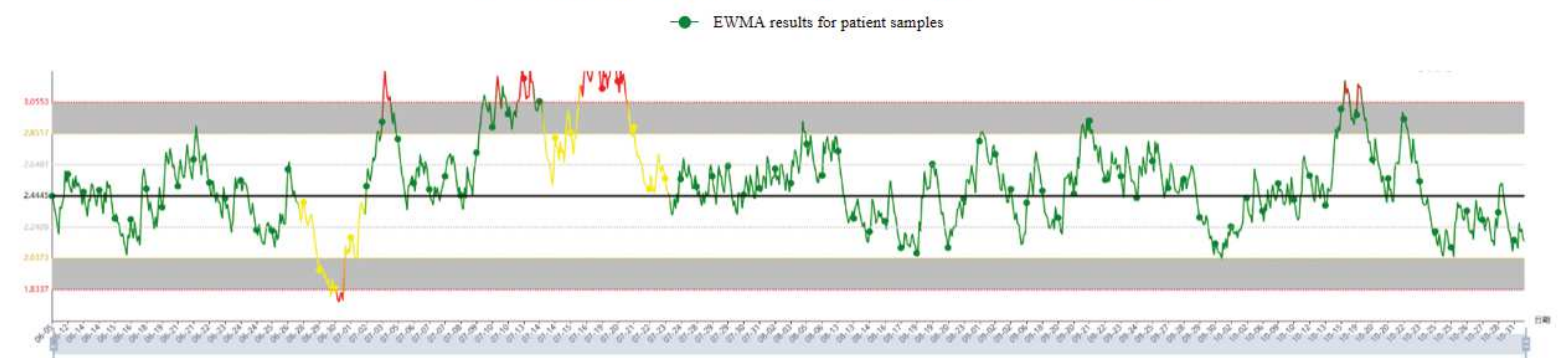


The EWMA plots for the different weighting coefficients

DXI800 AMH 0.02-2.96 EWMA chart (AI-PBRTQC $\lambda: 0.03$)

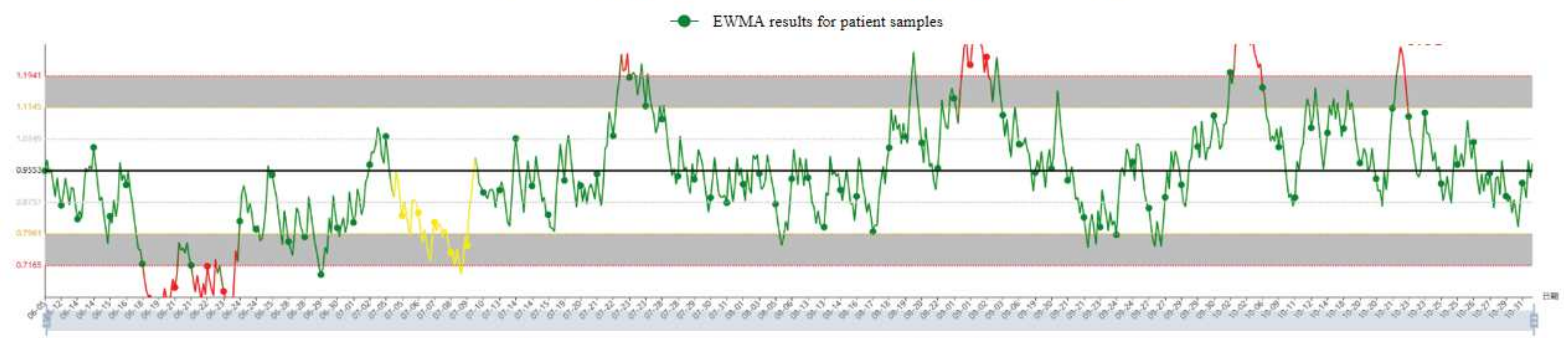


DXI800 AMH 0.02-10.14 EWMA chart (Tradition-PBRTQC $\lambda: 0.03$)

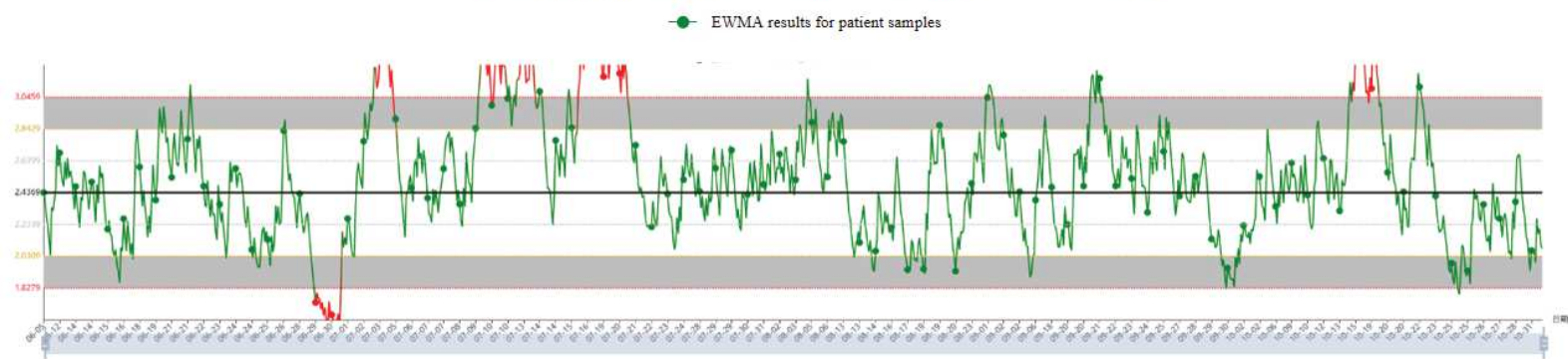


The EWMA plots for the different weighting coefficients

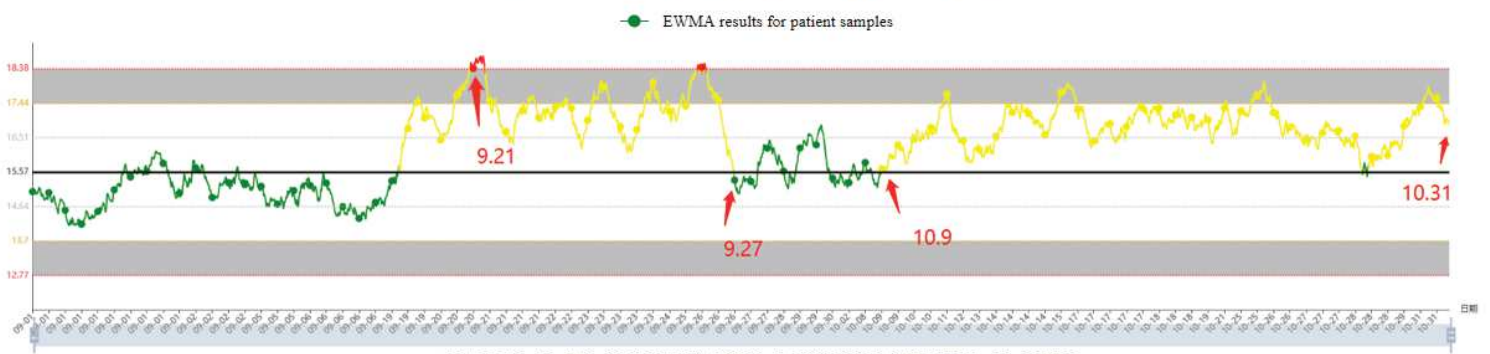
DXI800 AMH 0.02-2.96 EWMA chart (AI-PBRTQC $\lambda: 0.05$)



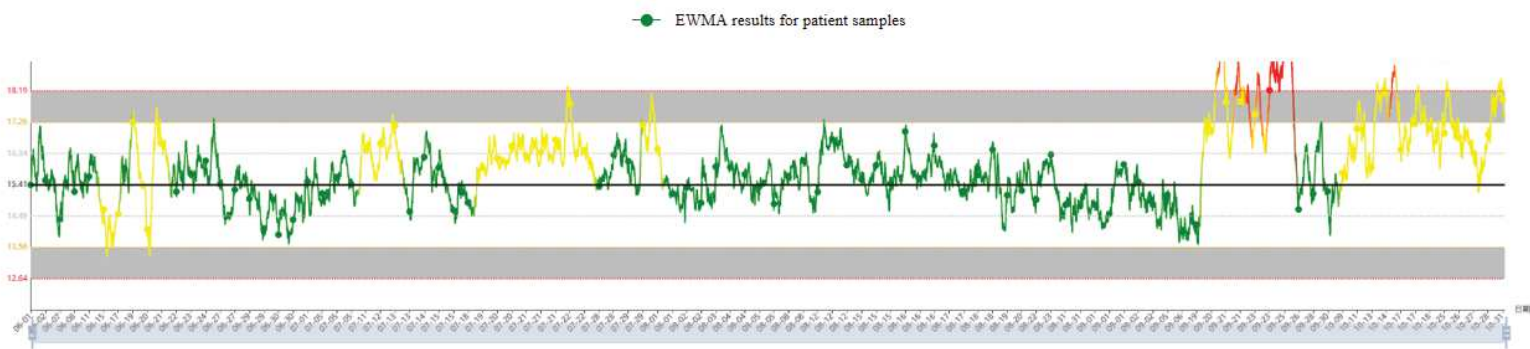
DXI800 AMH 0.02-10.14 EWMA chart (Tradition-PBRTQC $\lambda: 0.05$)



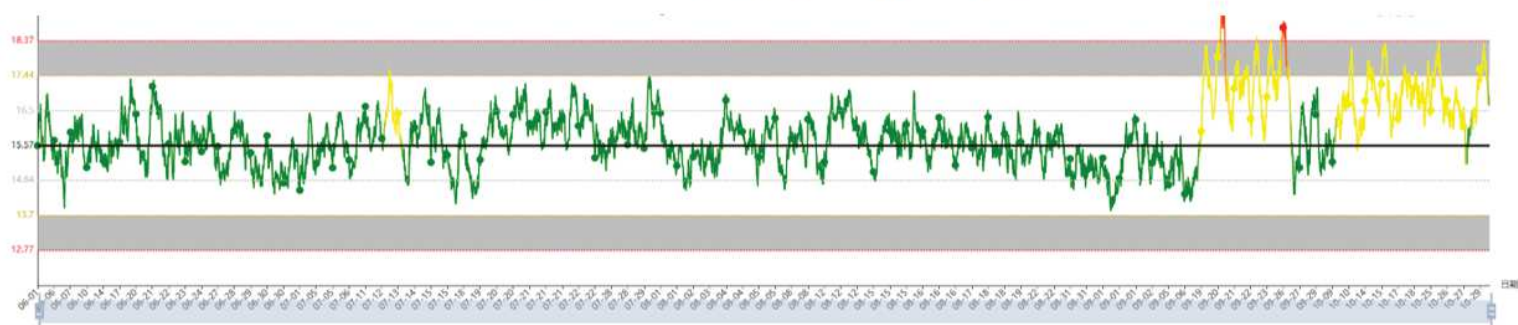
AU5800 ALT 10-25 EWMA chart (AI-PBRTQC λ : 0.02)



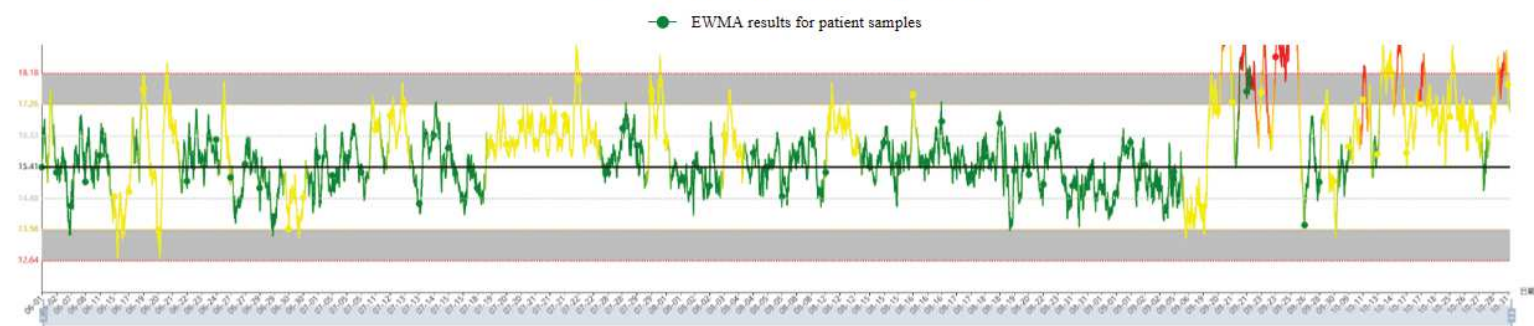
AU5800 ALT 0-29 EWMA chart (AI-PBRTQC λ : 0.02)



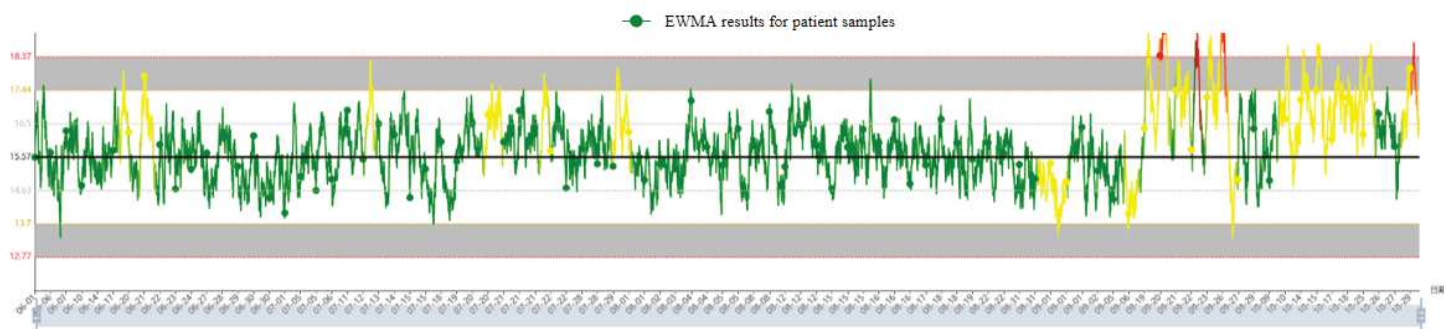
AU5800 ALT 10-25 EWMA chart (AI-PBRTQC λ : 0.03)



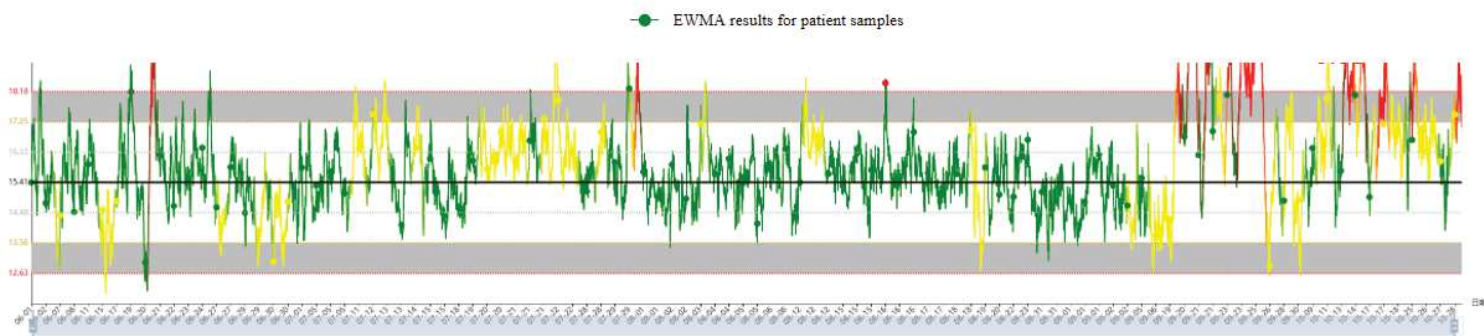
AU5800 ALT 6-29 EWMA chart (Tradition-PBRTQC λ : 0.03)



AU5800 ALT 10-25 EWMA chart (AI-PBRTQC λ : 0.05)

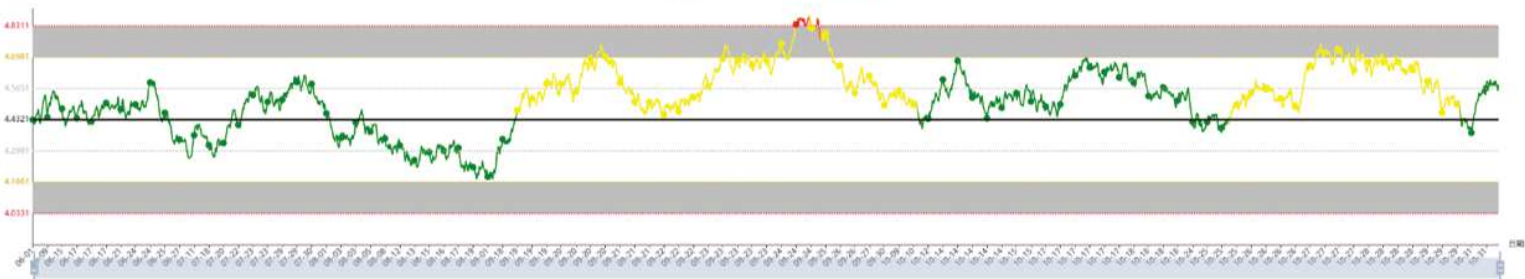


AU5800 ALT 6-29 EWMA chart (Tradition-PBRTQC λ : 0.05)



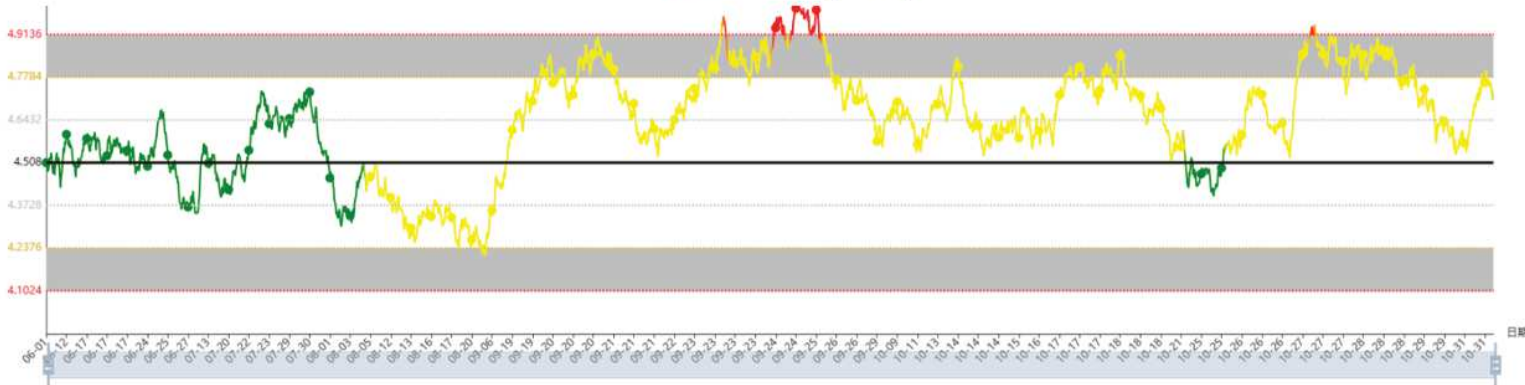
AU5800 CHOL 2.84-5.87 EWMA chart (AI-PBRTQC λ : 0.02)

EWMA results for patient samples

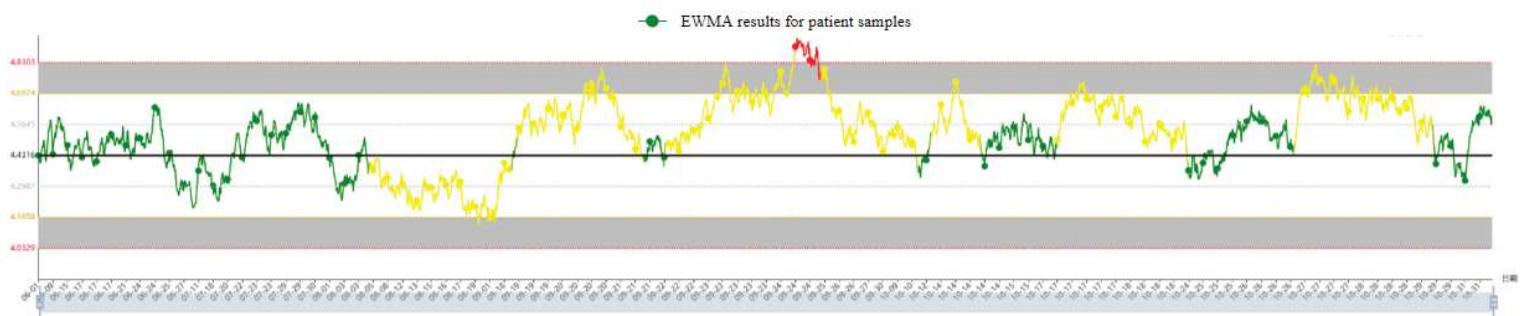


AU5800 CHOL 2.79-6.4 EWMA chart (Tradition-PBRTQC λ : 0.02)

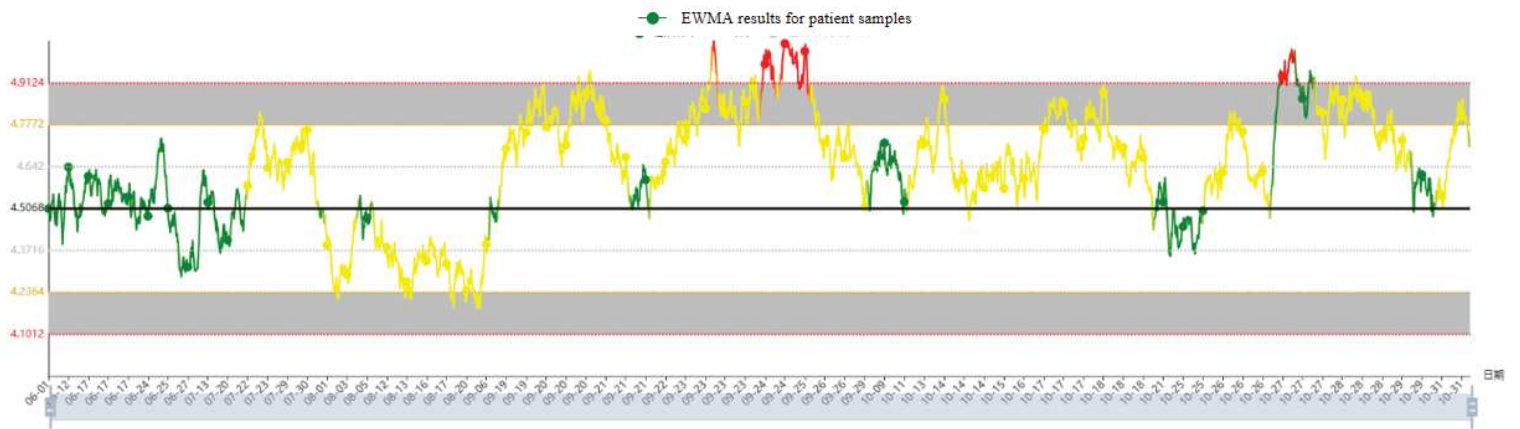
EWMA results for patient samples



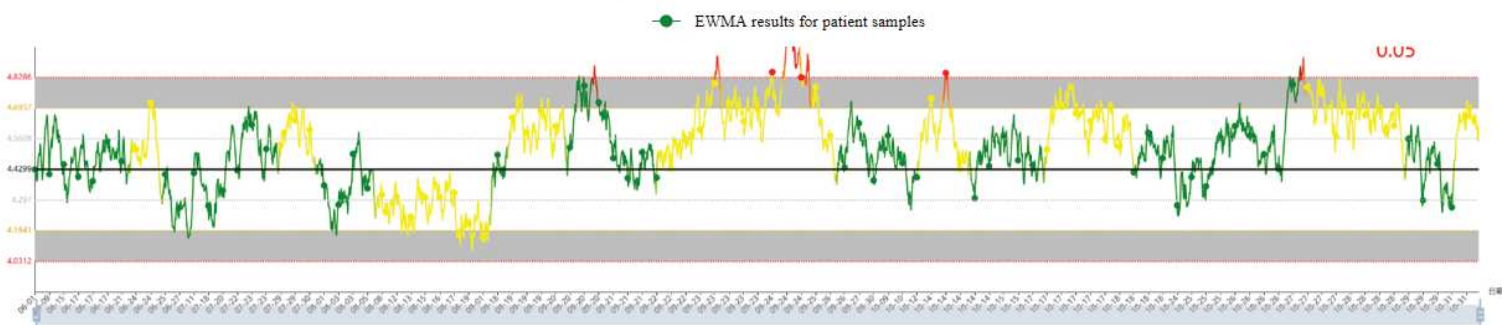
AU5800 CHOL 2.84-5.87 EWMA chart (AI-PBRTQC λ : 0.03)



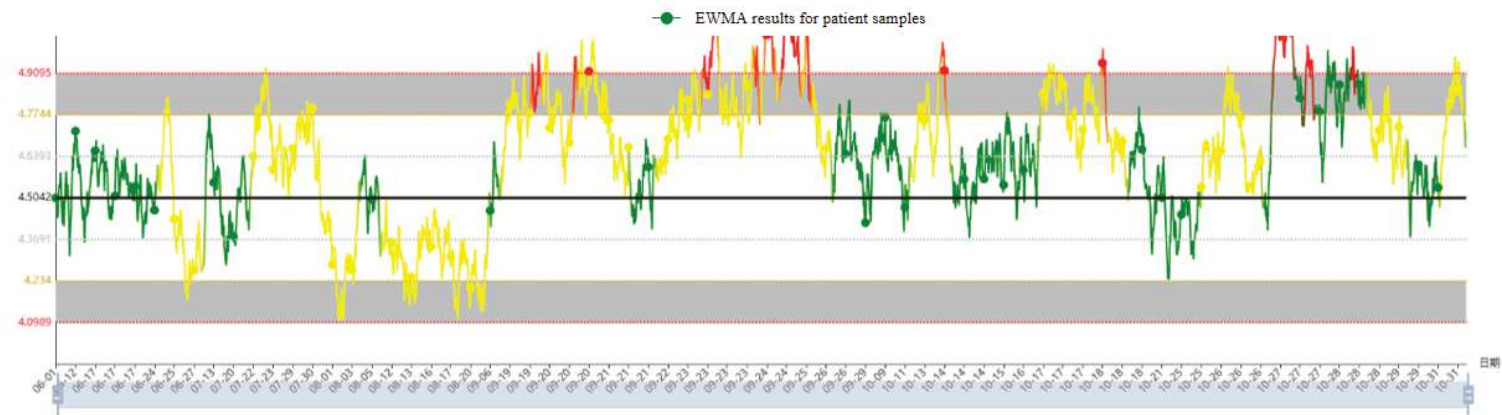
AU5800 CHOL 2.79-6.4 EWMA chart (Tradition-PBRTQC λ : 0.03)



AU5800 CHOL 2.84-5.87 EWMA chart (AI-PBRTQC λ : 0.05)

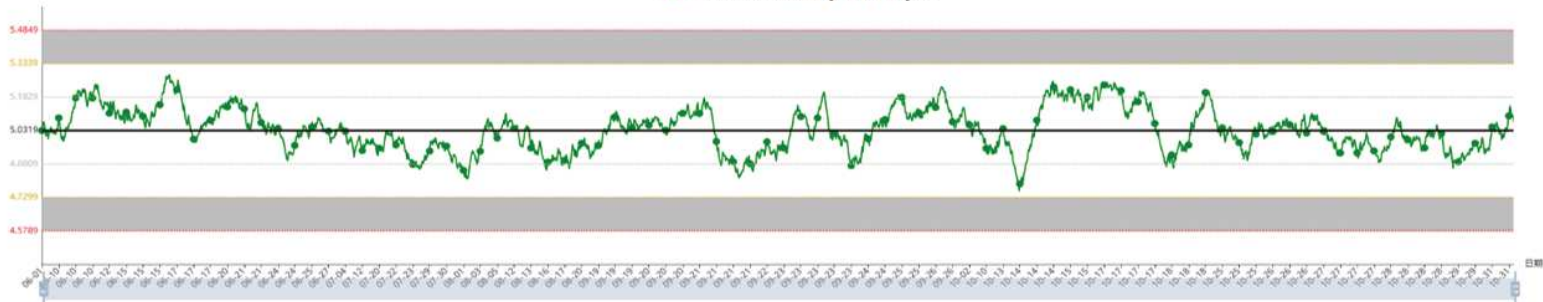


AU5800 CHOL 2.79-6.4 EWMA chart (Tradition-PBRTQC λ : 0.05)



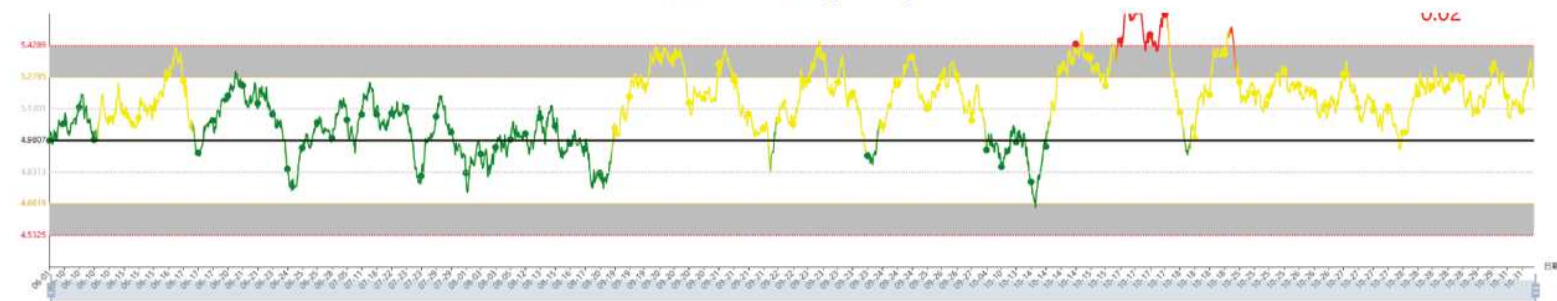
AU5800 UREA 3.5-6.6 EWMA chart (AI-PBRTQC λ : 0.02)

EWMA results for patient samples

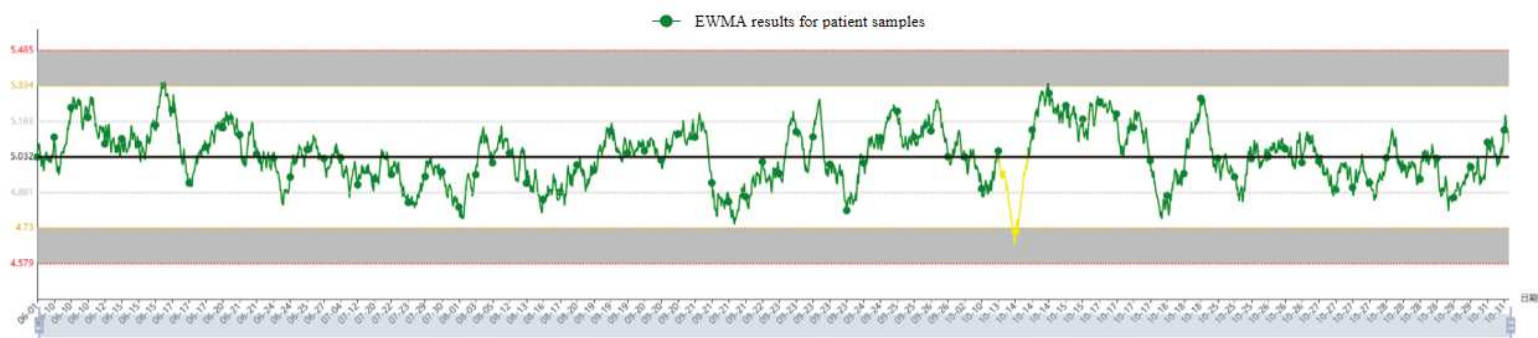


AU5800 UREA 2.3-7.68 EWMA chart (Tradition-PBRTQC λ : 0.02)

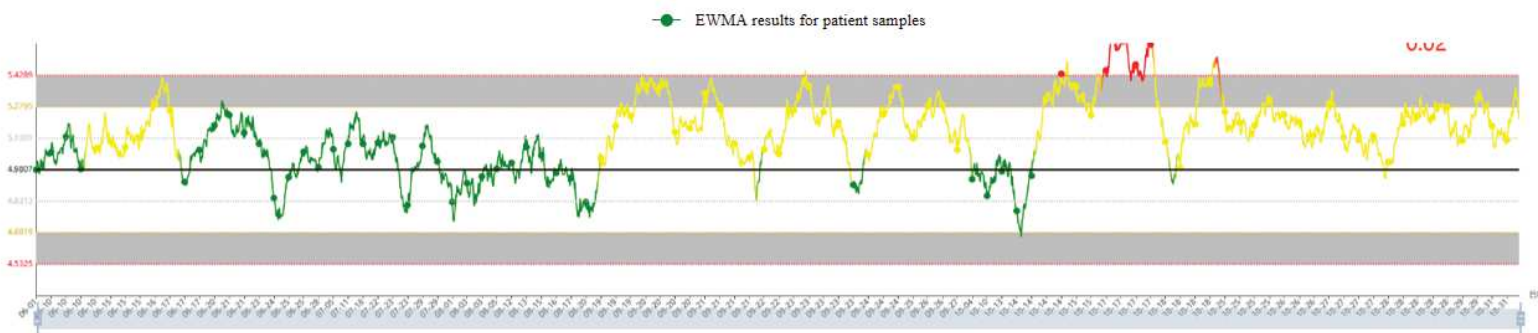
EWMA results for patient samples



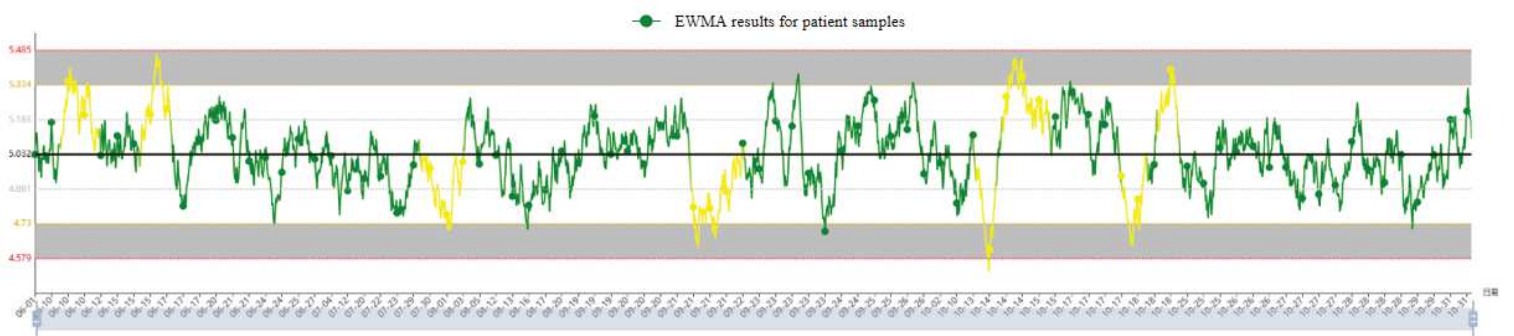
AU5800 UREA 3.5-6.6 EWMA chart (AI-PBRTQC λ : 0.03)



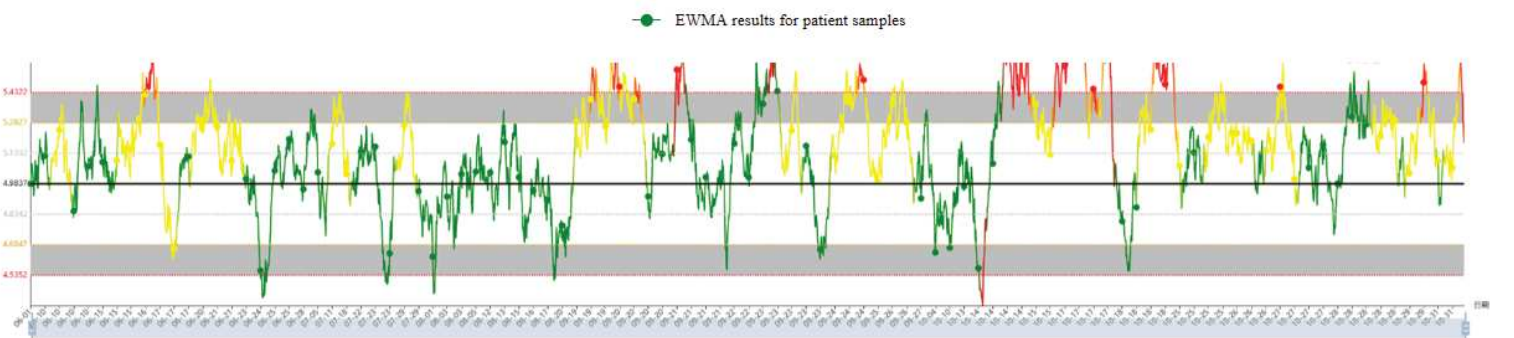
AU5800 UREA 2.3-7.68 EWMA chart (Tradition-PBRTQC λ : 0.03)



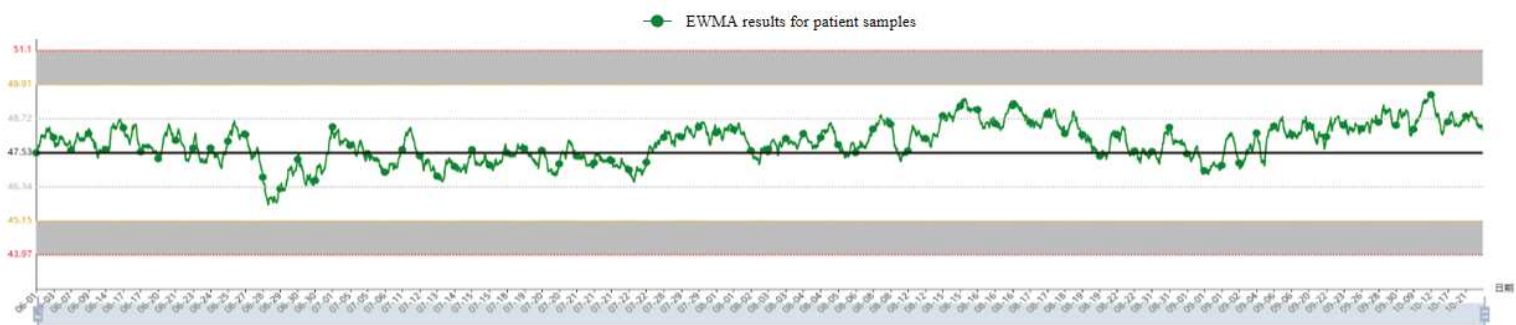
AU5800 UREA 3.5-6.6 EWMA chart (AI-PBRTQC λ : 0.05)



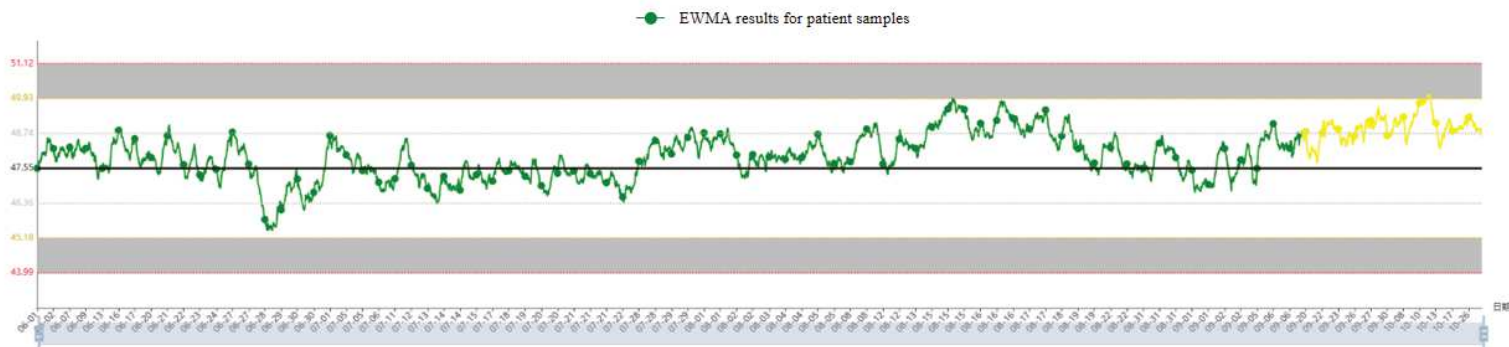
AU5800 UREA 2.3-7.68 EWMA chart (Tradition-PBRTQC λ : 0.05)



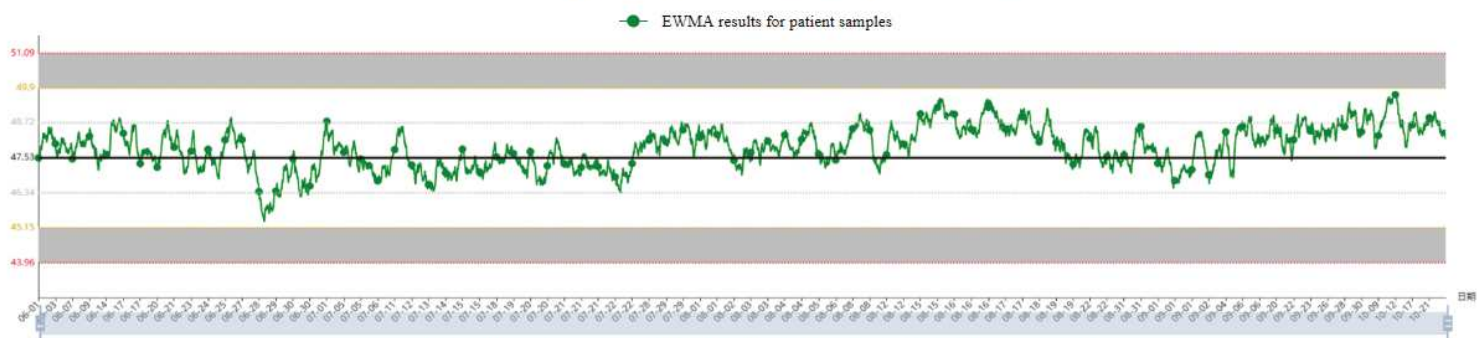
AU5800 ALB 3.5-6.6 EWMA chart (AI-PBRTQC λ : 0.02)



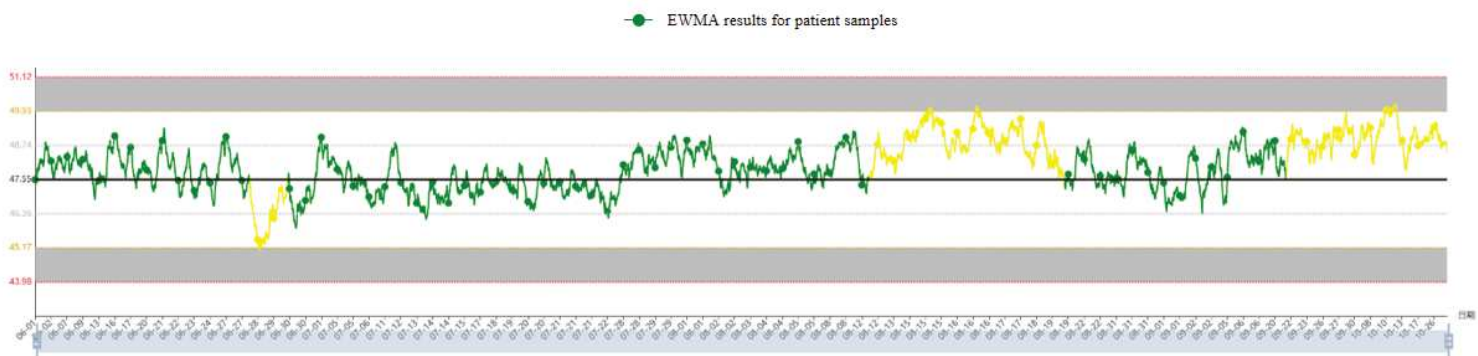
AU5800 ALB 2.3-7.68 EWMA chart (Tradition-PBRTQC λ : 0.02)



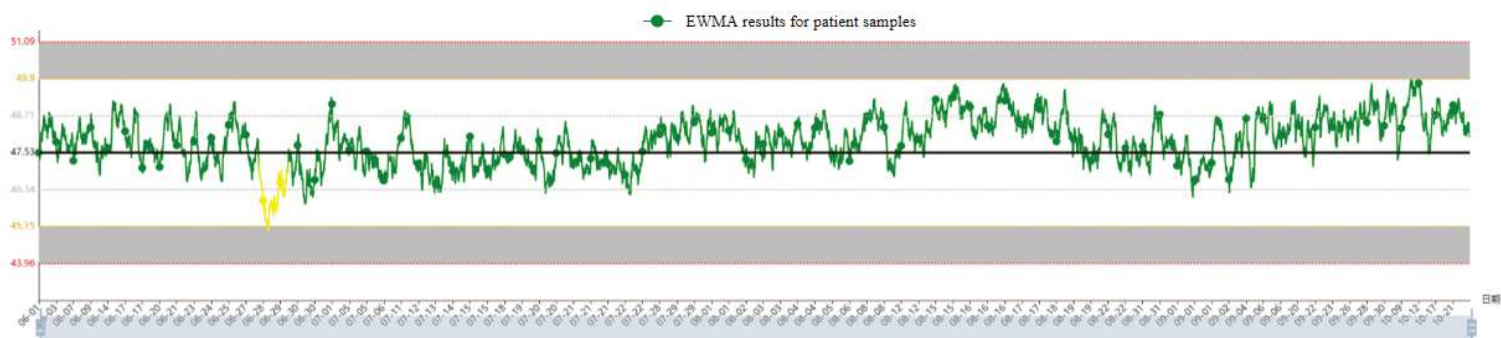
AU5800 ALB 3.5-6.6 EWMA chart (AI-PBRTQC λ : 0.03)



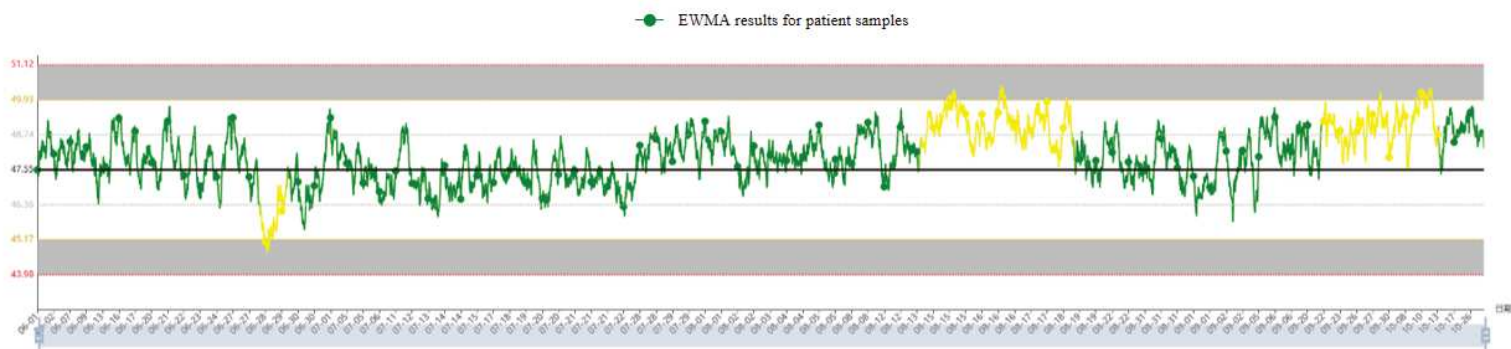
AU5800 ALB 2.3-7.68 EWMA chart (Tradition-PBRTQC λ : 0.03)



AU5800 ALB 3.5-6.6 EWMA chart (AI-PBRTQC λ : 0.05)



AU5800 ALB 2.3-7.68 EWMA chart (Tradition-PBRTQC λ : 0.05)



Attached Figure 2
The ROC curve of the EWMA algorithm describes the different weighting factors in Supplementary

