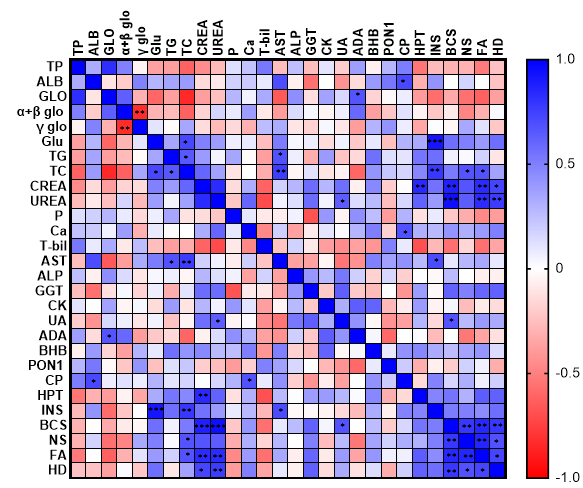


**Figure 1.** Different hoof deformities associated with subclinical laminitis in lactating jennies. Grade 1: (A) Overgrown hoof with big ridges and wall bulges, hairline changed into V shape; (B) Overgrown hooves with visible white line and ridges, broken hoof angle; (C) Overgrown hooves with medio-lateral imbalance and V shaped hairline; Grade 0.5: (D) Overgrown hooves with flaring of the hoof wall; (E) Overgrown hooves with the start of change in the base of the coronary band; (F) Overgrown hooves with visible tension in fetlock joints, medio-lateral imbalance present.



**Figure 2**. Heatmap showing statistical significance between the analyzed parameters, both biochemical and morphological. \* p < 0.05, \*\* p ≤ 0.01, \*\*\* p ≤ 0.001.

Abbreviations: TP – total protein, ALB – albumin, GLO – total globulins, Glu – glucose, TG – triglycerides, TC – total cholesterol, CREA – creatinine, P – phosphates, Ca – calcium, T-bil – total bilirubin, AST – aspartate aminotranspherase, ALP – alkaline phosphatase, GGT – γ glutamyl transpherase, CK – creatine kinase, UA – uric acid, ADA – total adenosine deaminase, BHB – β hydroxybutyrate, PON1 – paraoxonase 1, CP – ceruloplasmin, HPT – haptoglobin, INS – insulin, BCS – body condition score, NS – neck score, FA – fat accumulation, HD – laminitic hoof deformities.