**Table 4:** Correlations between laboratory results and echocardiographic determinants of systolic, diastolic function and LV wall thickness versus vitamin D levels.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Vitamin. D** | | | | | | | |
|  | **All patients** | | **HF + RF** | | **HF** | | **RF** | |
| **r** | **p-value** | **R** | **p-value** | **R** | **p-value** | **r** | **p-value** |
| **BNP** | 0.077 | 0.471 | 0.181 | 0.339 | -0.057 | 0.765 | 0.186 | 0.325 |
| **Cr cl.** | 0.668\*\* | 0.000 | 0.423\* | 0.020 | 0.535\*\* | 0.002 | 0.537\*\* | 0.002 |
| **Na+** | 0.084 | 0.431 | 0.155 | 0.412 | -0.073 | 0.701 | 0.101 | 0.596 |
| **K+** | -0.535\*\* | 0.000 | -0.352 | 0.056 | -0.587\*\* | 0.001 | -0.312 | 0.094 |
| **Ca** | 0.809\*\* | 0.000 | 0.712\*\* | 0.000 | 0.629\*\* | 0.000 | 0.917\*\* | 0.000 |
| **Phosphorus** | -0.738\*\* | 0.000 | -0.759\*\* | 0.000 | -0.517\*\* | 0.003 | -.658\*\* | 0.000 |
| **e'mean** | -0.292\*\* | 0.005 | -0.308 | 0.098 | -0.659\*\* | 0.000 | -0.006 | 0.976 |
| **a'mean** | -0.109 | 0.307 | 0.143 | 0.452 | -0.468\*\* | 0.009 | -0.148 | 0.436 |
| **s'mean** | -0.285\*\* | 0.007 | -0.146 | 0.440 | -0.667\*\* | 0.000 | -0.164 | 0.386 |
| **E (cm/sec)** | 0.119 | 0.266 | -0.412\* | 0.024 | 0.210 | 0.266 | 0.270 | 0.149 |
| **A (cm/sec)** | -0.062 | 0.561 | -0.023 | 0.906 | -0.206 | 0.275 | -0.023 | 0.903 |