Figure 2 Correlation between vitamin $B_{12}$ and homocysteine (Hcy) levels in children with protein–energy malnutrition ($n = 20$)

The correlation equation is:

\[ y = -0.0254x + 10.115 \]

The correlation coefficient is $r = -0.432$ with a significance level $P = 0.029$. 

The graph shows a negative correlation between vitamin $B_{12}$ levels and homocysteine levels.