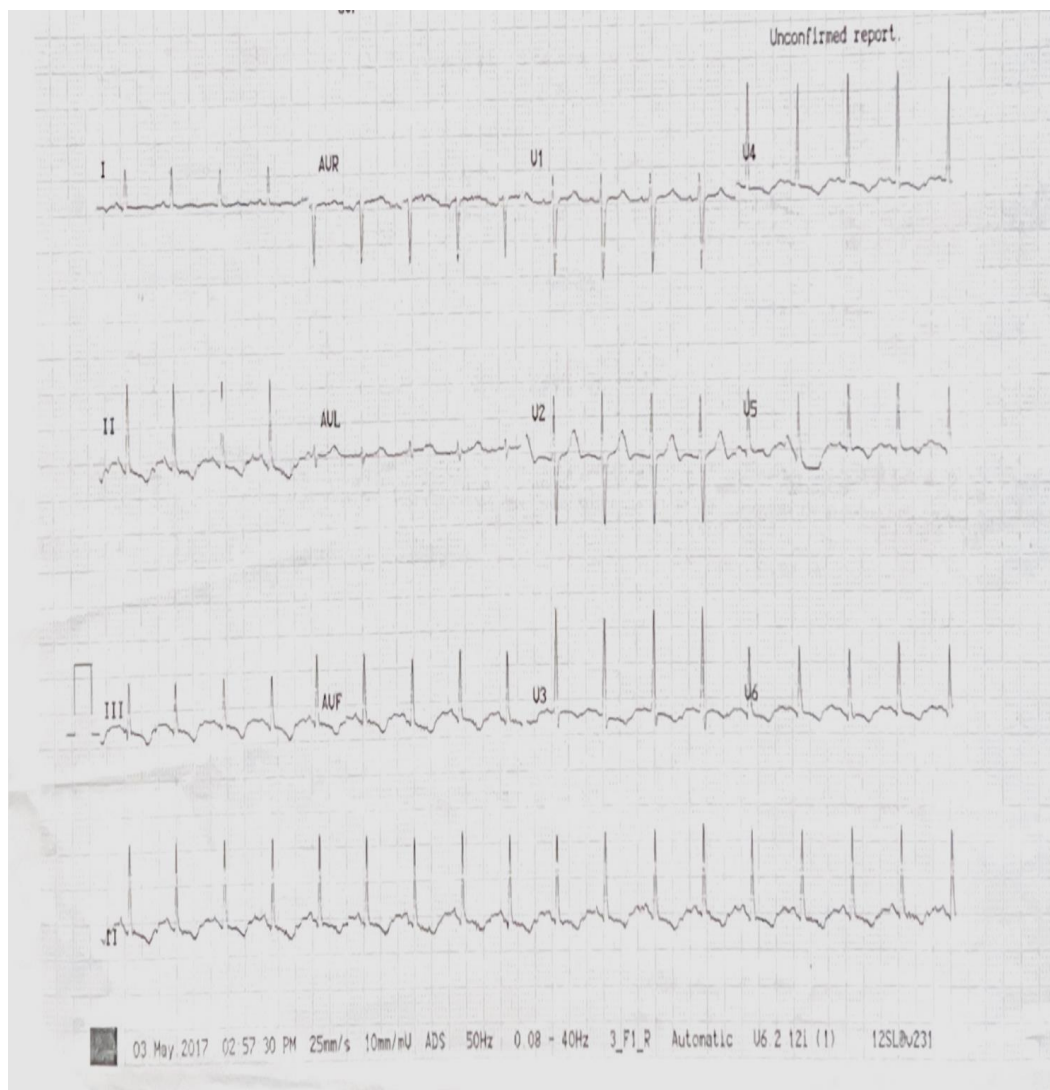


Multiple Electrolytes Abnormalities

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Read this ECG.

Note the age of the individual 19 years (F) it's not a structural heart disease. Seems hypokalemia. ECG was taken in the context of carpopedal spasm. serum Ca low 6.5mg% Serum K is 3mg% (3.5 to 5) Serum Mg is 1.1 (1.7 to 2.7) Serum. P is 1.8% (2.3to5) After 10 ml of iv

Calcium gluconate. Carpopedal spasm stopped. Here all the electrolytes decreased (Ca/Mg/k/P) Normally when Ca is low P will rise. Both are in inverse relation. In only two conditions Acute pancreatitis & Osteomalacia / Rickets, All the elements will decrease (Ca/P/K/Mg/). Most probably it is Osteomalacia / Rickets.