CASE REPORT ON SYMPTOMATIC HYPOCALCEMIA ASSOCIATED WITH ACUTE SEVERE MALARIA - NEED FOR VIGILANCE

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BACKGROUND
The commonest cause of hypocalcemia is hypoalbuminemia and its presentation varies widely, from asymptomatic to life-threatening situations. Hypocalcemia is frequently encountered in patients who are hospitalized. Depending on the cause, unrecognized or poorly treated hypocalcemic emergencies can lead to significant morbidity or death.

CASE
A 25 year-old Polytechnic student who presented at the emergency department with a 5-day history of high grade fever (39.2°C) with chills and rigor, generalized body weakness, postpandrial vomiting, epigastic pain and passage of melena and feeling of cramps in her hands and feet. Has no history of PUD but had used NSAIDS for pains and the cramps. Her RBS was 155mg/dl. Genotype unknown. Pregnancy was excluded. Her clinical examination showed an acutely ill-looking, febrile (T 39.2°C), not pale, anicteric, nil pedal edema, demonstrable carpopedal spasms P84/min irregular, normal volume BP 133/103mmHg, by next day 111/81mmHg

RESULTS
Creatinine :80.48 (45 – 110) umol/L Magnesium :0.86 (0.7 – 1.15)mmol/L Phosphate :0.97 (0.8 – 1.4)mmol/L (5th DOA) PTH :38.6 ()pg/ml TFT :normal Abdominal and Neck USS :No parathyroid enlargement and no abdominal abnormality CBC :Hb 12.7g/dl, low MCV and MCH. Normal WBC ECG findings :Sinus rhythm, APCs, prolonged QTc

MANAGEMENT
She was treated as a case of acute severe malaria with hypocalcemic tetany and upper GI bleeding
She got better with 10% calcium gluconate infusion, antimalarial and parenteral rabeprazole. Was discharged on the 5th DOA to MOPD for follow up on oral calcium supplements and rabeprazole

CONCLUSION
A high index of suspicious is necessary in order not to miss the diagnosis of hypocalcemia, particularly if it presents with an unrelated medical illness such as malaria fever