Table 1

Biochemical laboratory investigations

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| Investigation | Patient | Normal range | Comment |
| Serum ionized calcium | 6.8 | 8.4-10mg/dl | Low |
| Serum phosphate | 6.2 | 3.6-5mg/dl | High |
| Parathyroid hormone level | 118 | 15-75pg/ml | high |
| Vit D level | 41 | 30-100 ng/ml | normal |
| Blood urea | 20 | 15-50mg/dl | normal |
| Serum creatinine | 0.9 | Up to 1.4 | normal |
| Thyroid function test | Normal T3,T4,TSH |  |  |

Figure 1

Diagnostic algorithm