



**USHA KOHLI**

PID NO: P54190047314  
Age: 62 Year(s) Sex: Female

**Reference:**

Sample Collected At:  
DR VINAY KUMAR CHOPRA  
KOS Diagnostic Lab, 6349/1, Nicholson  
Road, Ambala Cantt, HRY 133001.  
133001

**VID: 54193347677**

Registered On:  
14/05/2019 07:42 PM  
Collected On:  
15/05/2019 12:40PM  
Reported On:  
18/05/2019 05:58 PM

<b>Investigation</b>	<b>Observed Value</b>	<b>Unit</b>	<b>Biological Reference Interval</b>
<b>Chromogranin A</b> (Plasma,EIA)	<b>353</b>	ng/mL	< 108 Kindly note the change in reference range.

Medical Remarks: Kindly correlate clinically.

**Interpretation:**

1. Human Chromogranin A is an acidic human protein. It is a tumor marker used to differentiate between endocrine and non endocrine tumors.
2. It is elevated in gastrinoma(100%), pheochromocytoma(89%), carcinoid tumors(80%), nonfunctioning tumors of the endocrine pancreas(69%) and medullary carcinoma of the thyroid(50%).
3. Healthy subjects may also show an elevated level (7%).

**Limitations:**

- Chromogranin A is not a diagnostic test for endocrine tumors. It can be elevated in patients with renal failure and in patients of atrophic chronic gastritis.
- Proton pump inhibitors and H2-receptors antagonists should be discontinued for 10 days prior to the test for accurate result.
- Patients treated by corticosteroids can show false increase in Chromogranin A.

**-- End of Report --**