

Medical Disclaimer: The information in this presentation is not intended to replace a one-on-one relationship with a qualified health care professional and is not intended as medical advice. It is intended as a sharing of knowledge and information from the research and experience of Dr. Ritamarie Loscalzo, drritamarie.com, and the experts who have contributed. We encourage you to make your own health care decisions based upon your research and in partnership with a qualified health care professional.

<h1>Bones and Minerals</h1>	
<h2><u>High</u></h2> <ul style="list-style-type: none">➤ Hemochromatosis - iron overload disease (check ferritin)➤ Excess iron supplementation➤ Alcohol – increases iron absorption➤ Fortified cereals	<h2><u>Iron</u></h2> <h3><u>Low</u></h3> <ul style="list-style-type: none">➤ Iron deficiency anemia➤ Blood loss➤ Chronic disease➤ Other disease
	

<h1>Bones and Minerals</h1>	
<h2>Calcium</h2>	
<i>Blood levels remain fairly constant except in disease states</i>	
<h3>High</h3> <ul style="list-style-type: none">Thyroid supplementationAlcoholismHyperparathyroidism (most common cause)Cancer (rare – less than 0.01%)	<h3>Low</h3> <ul style="list-style-type: none">Thyroid imbalanceVitamin D deficiencyMagnesium deficiencyHypoparathyroidismKidney diseaseDecreased calcium absorptionPancreatitisMedications
	

Bones and Minerals

Phosphorus

INE: Blood Chemistry - Bones and Minerals

Bones and Minerals Case Analysis

3 4	CATEGORIES	Units	PATHOLOGICAL RANGE		FUNCTIONAL RANGE		CURRENT 1/14/10
			Min	Max	Min	Max	
30	Iron, serum	ug/dl	40.0	180.0	85.0	130.0	125
18	Calcium, serum	mg/dl	8.7	10.5	9.2	10.1	10
19	Phosphorus, serum	mg/dl	2.3	4.8	3.5	4.0	3.9

www.DrRitamarie.com

© Dr. Ritamarie Loscalzo, MS, DC, CCN, DACBN, Institute of Nutritional Endocrinology (INE)