

Vitamin D Deficiency

<https://cme.dmu.edu/VitD>

PRE-ASSESSMENT									
Question	Answer	Score	Chosen	%	Total	Cor. Fac.	Std. Dev.	Disc. Idx.	Disc. Eff.
Which of the following is the correct definition of Vitamin D deficiency?	Serum 25-hydroxyvitamin D level < 10 ng/mL	0	7	10%	73	42%	49.4%	30.14%	56.01%
	Serum 25-hydroxyvitamin D level < 20 ng/mL	1	31	42%					
	Serum 25-hydroxyvitamin D level < 30 ng/mL	0	32	44%					
	Serum 25-hydroxyvitamin D level < 40 ng/mL	0	3	4%					
Which accurately describes the steps of Vitamin D synthesis?	Cholecalciferol/Ergocaliferol -> Liver -> Calcidiol -> Kidney -> Calcitriol	1	36	49%	73	49%	50.0%	60.27%	82.82%
	Cholecalciferol/Ergocaliferol -> Kidney -> Calcitriol -> Liver -> Calcidiol	0	12	16%					
	Calcidiol -> Liver -> Calcitriol -> Kidney -> Cholecalciferol/Ergocaliferol	0	11	15%					
	Cholecalciferol/Ergocaliferol -> Kidney -> Calcidiol -> Liver -> Calcitrio	0	14	19%					

PRE-ASSESSMENT									
Question	Answer	Score	Chosen	%	Total	Cor. Fac.	Std. Dev.	Disc. Idx.	Disc. Eff.
Which patient would you be least concerned for Vitamin D deficiency?	A 60 y/o male from Northern Michigan	0	7	10%	73	58%	49.4%	54.79%	74.22%
	A 50 y/o female s/p bariatric surgery	0	12	16%					
	A 7 y/o male who broke his arm after falling off his bike	1	42	58%					
	A 65 y/o African American mal	0	12	16%					
What treatment should be initiated in a 70 y/o healthy female with a serum 25-hydroxyvitamin D level of 9 ng/ML?	800 IU oral Vitamin D3 daily	0	12	16%	73	34%	47.5%	41.10%	60.74%
	2000 IU oral Vitamin D3 daily	0	32	44%					
	0.25 mcg capsule Calcitriol daily	0	4	5%					
	50000 IU capsule Vitamin D2 weekly	1	25	34%					

Vitamin D Deficiency

<https://cme.dmu.edu/VitD>

POST-ASSESSMENT									
Question	Answer	Score	Chosen	%	Total	Cor. Fac.	Std. Dev.	Disc. Idx.	Disc. Eff.
Which of the following is the correct definition of Vitamin D deficiency?	Serum 25-hydroxyvitamin D level < 10 ng/mL	0	2	3%	76	84%	36.5%	10.53%	61.52%
	Serum 25-hydroxyvitamin D level < 20 ng/mL	1	64	84%					
	Serum 25-hydroxyvitamin D level < 30 ng/mL	0	8	11%					
	Serum 25-hydroxyvitamin D level < 40 ng/mL	0	2	3%					
Which accurately describes the steps of Vitamin D synthesis?	Cholecalciferol/Ergocaliferol -> Liver -> Calcidiol -> Kidney -> Calcitriol	1	63	83%	76	83%	37.7%	34.21%	86.27%
	Cholecalciferol/Ergocaliferol -> Kidney -> Calcitriol -> Liver -> Calcidiol	0	3	4%					
	Calcidiol -> Liver -> Calcitriol -> Kidney -> Cholecalciferol/Ergocaliferol	0	7	9%					
	Cholecalciferol/Ergocaliferol -> Kidney -> Calcidiol -> Liver -> Calcitrio	0	3	4%					

POST-ASSESSMENT									
Question	Answer	Score	Chosen	%	Total	Cor. Fac.	Std. Dev.	Disc. Idx.	Disc. Eff.
Which patient would you be least concerned for Vitamin D deficiency?	A 60 y/o male from Northern Michigan	0	5	7%	76	75%	43.3%	44.74%	75.22%
	A 50 y/o female s/p bariatric surgery	0	6	8%					
	A 7 y/o male who broke his arm after falling off his bike	1	57	75%					
	A 65 y/o African American mal	0	8	11%					
What treatment should be initiated in a 70 y/o healthy female with a serum 25-hydroxyvitamin D level of 9 ng/ML?	800 IU oral Vitamin D3 daily	0	16	21%	76	64%	47.9%	71.05%	86.57%
	2000 IU oral Vitamin D3 daily	0	6	8%					
	0.25 mcg capsule Calcitriol daily	0	5	7%					
	50000 IU capsule Vitamin D2 weekly	1	49	64%					