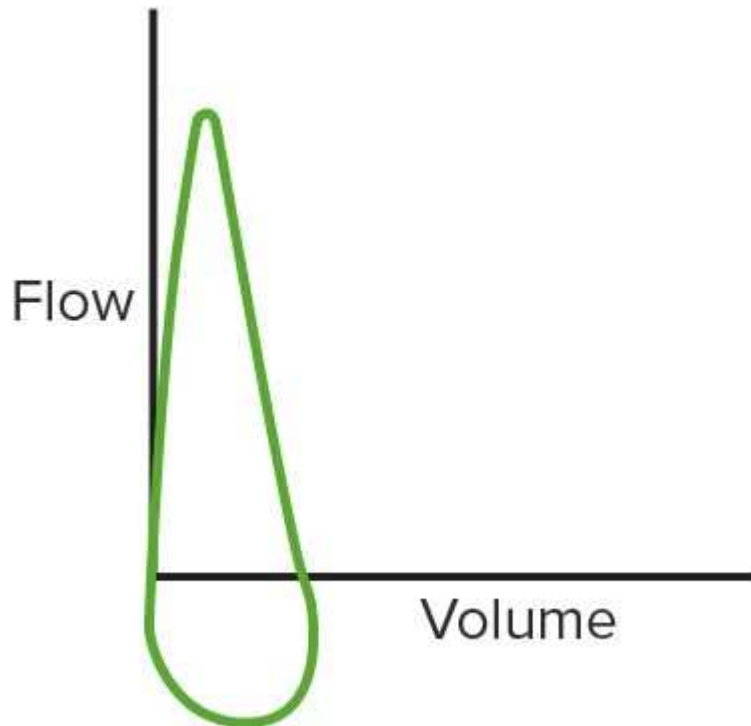


## A Refresher on Pulmonary Functions Testing Concepts & Interpretation Post-Test

- 1) Which is the formula for flow?
  - a) Volume (L) / Time (sec)
  - b) Flow (L) / Volume (L)
  - c) Time (sec) / Volume (L)
  - d) Flow (L) / Time (sec)
  
- 2) The normal predicted value for FEV1% is
  - a) 60-100%
  - b) 80-100%
  - c) 100-120%
  - d) 80-120%
  
- 3) What is the minimum educational requirement to perform PFTs?
  - a) High School Diploma
  - b) CRT
  - c) RRT
  - d) None

## A Refresher on Pulmonary Functions Testing Concepts & Interpretation Post-Test

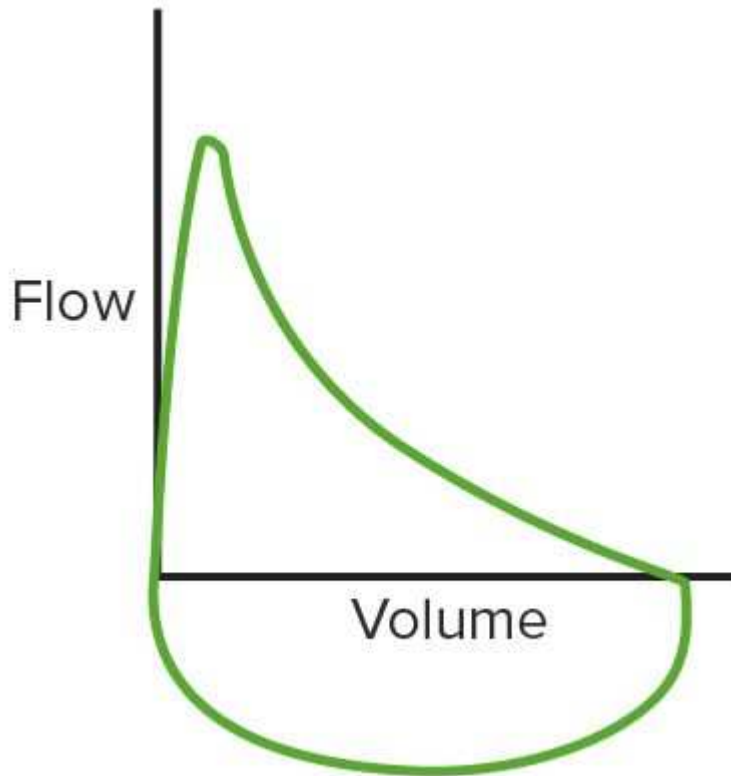
4) This graphic indicates which pattern?



- a) Obstructive
- b) Restrictive
- c) Mixed Obstructive/Restrictive
- d) Normal

## A Refresher on Pulmonary Functions Testing Concepts & Interpretation Post-Test

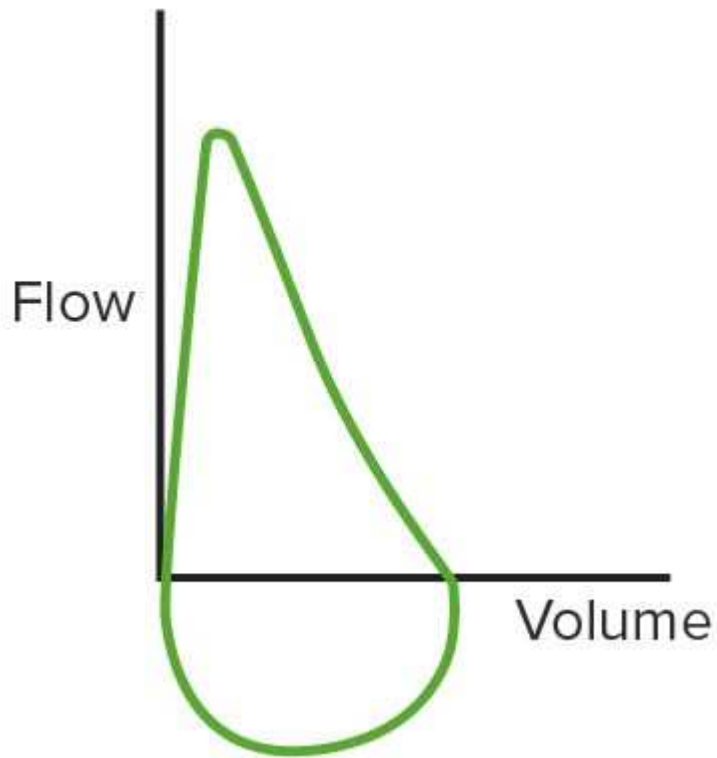
5) This graphic indicates which pattern?



- a) Obstructive
- b) Restrictive
- c) Mixed Obstructive/Restrictive
- d) Normal

## A Refresher on Pulmonary Functions Testing Concepts & Interpretation Post-Test

6) This graphic indicates which pattern?



- a) Obstructive
- b) Restrictive
- c) Mixed Obstructive/Restrictive
- d) Normal

## A Refresher on Pulmonary Functions Testing Concepts & Interpretation Post-Test

7) This information indicates which pattern?

		Ref	Pre	% Ref	Post	% Ref	%Chg
<b>Spirometry</b>							
<b>FVC</b>	<b>Liters</b>	<b>2.98</b>	<b>1.25</b>	<b>42</b>	<b>1.15</b>	<b>39</b>	<b>-7</b>
<b>FEV1</b>	<b>Liters</b>	<b>2.39</b>	<b>1.09</b>	<b>46</b>	<b>0.95</b>	<b>40</b>	<b>-13</b>
<b>FEV1/FVC</b>	<b>%</b>	<b>82</b>	<b>88</b>		<b>82</b>		
<b>FEF25-75%</b>	<b>L/sec</b>	<b>2.54</b>	<b>1.44</b>	<b>57</b>	<b>1.05</b>	<b>41</b>	<b>-27</b>
<b>PEF</b>	<b>L/sec</b>	<b>5.65</b>	<b>3.41</b>	<b>60</b>	<b>3.17</b>	<b>56</b>	<b>-7</b>
<b>Lung Volumes</b>							
<b>TLC</b>	<b>Liters</b>	<b>4.87</b>	<b>1.71</b>	<b>35</b>			
<b>VC</b>	<b>Liters</b>	<b>2.98</b>	<b>1.29</b>	<b>43</b>			
<b>FRC PL</b>	<b>Liters</b>	<b>2.27</b>	<b>0.60</b>	<b>26</b>			
<b>Vtg</b>	<b>Liters</b>		<b>1.98</b>				
<b>ERV</b>	<b>Liters</b>		<b>0.16</b>				
<b>RV</b>	<b>Liters</b>	<b>1.87</b>	<b>0.42</b>	<b>22</b>			
<b>RV/TLC</b>	<b>%</b>	<b>38</b>	<b>25</b>				

- a) Obstructive
  - b) Restrictive
  - c) Mixed Obstructive/Restrictive
  - d) Normal
- 8) Which of the following meets the universal "GOLD COPD" criteria for classification of obstructive disease?
- a) FEV1 less than 80%
  - b) FVC less than 70%
  - c) FEV1/FVC ratio less than 70%
  - d) All of the above

## **A Refresher on Pulmonary Functions Testing Concepts & Interpretation Post-Test**

- 9) Which of the following is the main steering body for PFT quality and standards in the US?
- a) American Lung Association
  - b) American Thoracic Society
  - c) American Heart Association
  - d) American Association for Respiratory Care
- 10) A positive bronchodilator response is an increase of \_\_\_\_ in FEV1 or FVC.
- a) 10%
  - b) 12%
  - c) 15%
  - d) 20%