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# SHEETS CORRECTIONS

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Correction Team



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# Sheets Corrections

## Biochemistry:

### Sheet 5:

Page 8: Delete the 4<sup>th</sup> point and instead of it, "Do all reactants convert into products higher in stability? Answer: No some reactions need energy to happen"

### Sheet 7:

Page 6: We notice that the NADH pathway is more favorable than FADH<sub>2</sub> because the reduction potential of NADH is lesser (not higher) than FADH<sub>2</sub>. (Forget about the rest of this note it is wrong).

Page 7: A quick look at NAD<sup>+</sup> and FAD (not FAD<sup>+</sup>):

Page 9: answer for the 3<sup>rd</sup> question is B.

### Sheet 10:

Page 5: from complex 1 to three directly (1 to 2 to 3 is wrong for sure).

### Sheet 11:

Page 2: from heme Bh to Bl (not the opposite).

Page 17: in the picture don't get it wrong that aspartate can pass from the matrix toward the cytosol, it cannot.

## **Pathology:**

### **Sheet 9:**

Page 2: In the shape (a patient who has tonsillitis)

Page 4: Kallikrein (enzyme that cleave kininogen)

Page 6: other effects increased heart rate, **decreased** sweating, malaise, anorexia.

### **Sheet 10:**

Page 6: NOTE: again and again, the main cells of chronic inflammation are macrophages but they can play a role in acute (not chronic as the sheet) inflammation.

Page 8: line 5 M2 macrophages / line 9 M1 macrophages.

Page 9: replace this "tuberculosis can cause normal granuloma or caseating granuloma." With "tuberculosis can lead to caseous necrosis or non-caseous necrosis".

### **Sheet 11:**

Page 3: permanent cells: they cannot replicate, they are in the G0 phase and nothing will take them from G0 (not G1) phase.

Page 4: line 2 stellate cells not stem late.

## **Pharmacology:**

### **Sheet 5:**

Page 3: Reaching the steady state reduces the side effects.

Administration rate = clearance \* target of the dose.

Page 7: Estrogen is given to a postmenopausal woman. /The second example is about type D leukemia not C.

### **Sheet 6:**

Page 8: under the figure: "If we **normalize** our patients, we may increase the response rate, in other words, we may decrease the non-response rate."

Page 14: 4<sup>th</sup> point: "the previous points are only to justify the statement that ..."

### **Sheet 7:**

Replace (A TMAT drug Trans monoamine transport) with (a drug that blocks VMAT).

Last Page: Reserpine inhibits VMAT (not VAT)

### **Sheet 8:**

Page 2: line 6: The amine group not thiamine.

Page 4: SAM is a methyl donor.

Last note in the page: low level of dopamine causes Parkinson disease while level amount causes schizophrenia.

Page 8: in the table notice that: **Radial muscle of the iris dilates while circular muscle constricts.**

## **Microbiology:**

### **Sheet 2:**

Immunosuppressant means suppress or reduce the strength of the body's immune system.

### **Sheet 10:**

Enterococci is an independent genera not a subtype of streptococcus.

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## **Virology:**

### **Sheet 1:**

Page 3: this statement "otherwise, they multiply by binary fission." Is wrong forget about it.

Page 6: Polyomaviridae not polioviridae.

Page 7: Papillomaviridae and polyomaviridae used to be under the family papovaviridae.

Page 9: RNA viruses can be helical or icosahedral (not only helical).

### **Sheet 3:**

Page 4: its CXCR4 Not CRCX4

Page 8: add papillomaviridae to the 2 other families