

## Workbook :Biologic drugs.

This workbook has been designed to be used in conjunction with the course reading booklet. You are free to complete as few or as many of the tasks as you wish. The workbook can then be added to your CPD portfolio as evidence of your activity. It also provides room for you to reflect your thoughts in relation to this course and your learning experience.

### Self-assessment : Biologic drugs.

1.	What are cytokines?
2.	What does the term 'pleiotropic' mean ?
3.	What is the role of TNF in the inflammatory process ?

4.	What is the role of IL-1 in the inflammatory process ?
5.	What cells produce TNF-a and IL-1 ?
6.	Briefly describe the rationale behind developing drugs which interfere with the roles of TNF-a and IL-1.

7.	How are TNF-a and IL-1 involved in the pathological changes taking place in a rheumatoid joint ?
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8.	Which biologic agents act to block the cytokine receptors ?
10.	Which biologic agents bind directly to the cytokines ?
11.	Which biologic agents bind to cells which produce cytokines ?
12.	Why does the use of biologic agents increase the risk on infection in a patient ?

## Reflection.

Take some time to think about the learning that you have completed using this course. Was it useful, was it interesting, was it applicable to your practice? Is there anything in particular you have gained from the course, and does it encourage you to alter your practice? Have you enjoyed it?

These are all questions you should ask yourself before you complete your reflective account below, as these are key points that you need to mention.

How much time have you spent completing this course?	
Did you complete the course on your own, or as part of a learning group?	

Your general reflective account :

Key Learning / Practice points (list up to 5) :

1.

2.

3.

4.

5.

If you feel you have any further comments to make about your learning, please use the space below.

