

Therapeutic Drug Monitoring (TDM)

Competency Review

1. What is the purpose of TDM? [4]

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2. For therapeutic drug monitoring to be performed for a drug, what criteria should be met? [6]

1.
2.
3.
4.
5.
6.

3. What is the definition of pharmacokinetics? [2]

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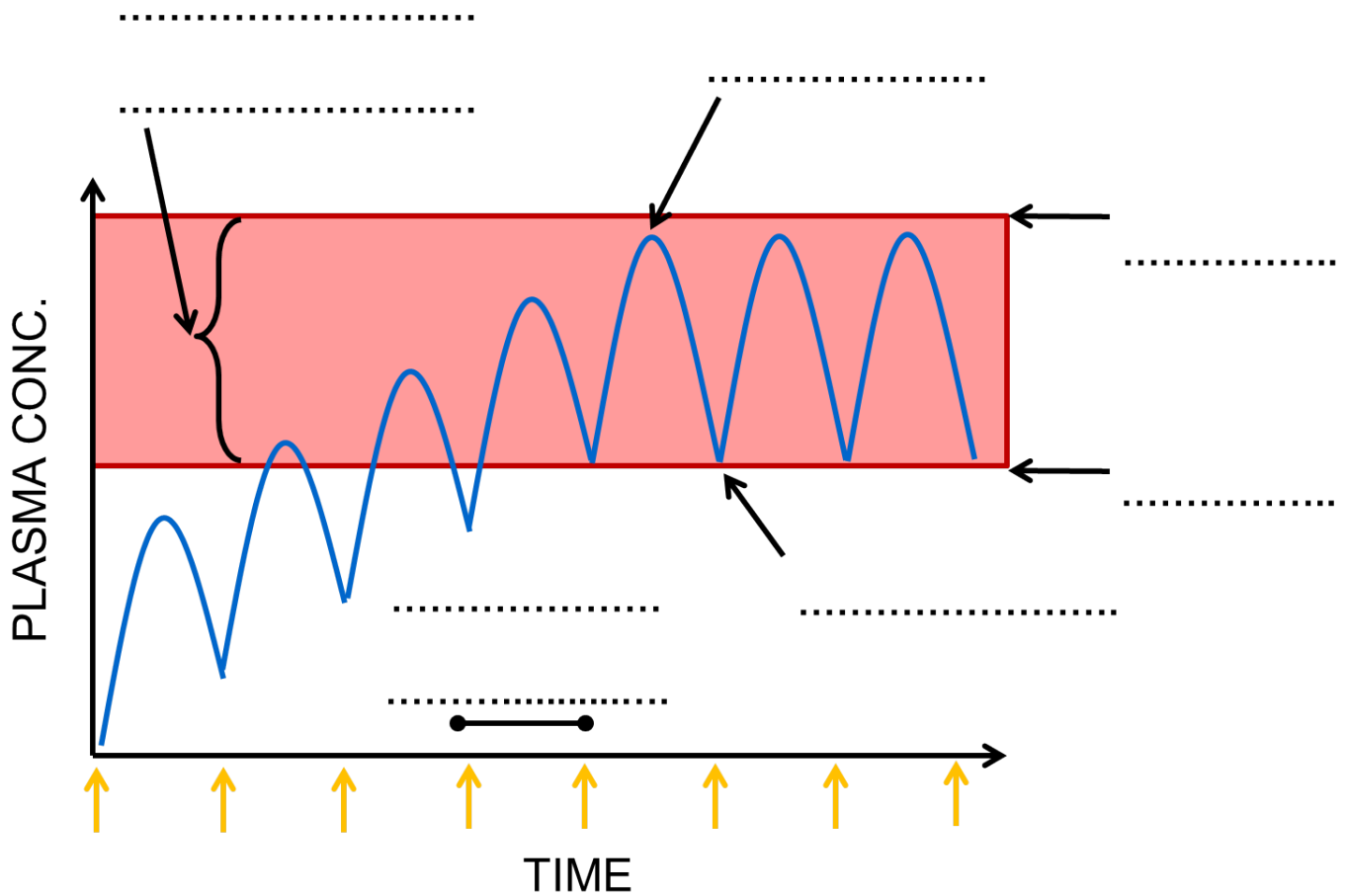
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4. In pharmacokinetics, what do the following stand for? [5]

- (A) -
- A -
- D -
- M -
- E -

5. Complete the labels on the following diagram: [6]



6. What do the following stand for? [3]

MEC -

MTC -

MIC -

7. What is the definition of pharmacogenomics? [2]

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8. When should most samples be taken for TDM? [1]

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9. What sample types can be used for TDM? [4]

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10. Give two advantages of immunoassay as an analytical technique for TDM? [2]

1.
2.

11. Give two disadvantages of immunoassay as an analytical technique for TDM? [2]

1.
2.

12. Give two advantages of chromatography as an analytical technique for TDM? [2]

1.
2.

13. Give two disadvantages of chromatography as an analytical technique for TDM? [2]

1.
2.