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Q45

What is the importance of using Pneumococcal Conjugate Vaccines in India? 1. These vaccines are effective against pneumonia as well as meningitis and sepsis. 2. Dependence on antibiotics that are not effective against drug resistant bacteria can be reduced. 3. These vaccines have no side effects and cause no allergic reactions. Select the correct answer using the code given below: (a) 1 only (b) 1 and 2 only (c) 3 only (d) 1, 2 and 3
Official key: B.

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Explanation

(a)

1 only. Antibiotic-sparing is also a reason.

(b) Official key

1 and 2 only. **PCV** covers pneumonia, meningitis and sepsis from pneumococcus, and cuts useless antibiotic use. 'No side effects' is false.

(c)

3 only. Vaccines can have adverse events; the absolute is wrong.

(d)

All three. Statement 3 fails.

Summary

Official key is (b) 1 and 2 only. Pneumococcal conjugate vaccines prevent invasive disease (pneumonia, meningitis, sepsis) and reduce antibiotic pressure. They are not side-effect-free.

Related possible facts

These can be asked in a future Prelims paper.

PCV

Conjugate: polysaccharide + protein; infant schedule.

AMR

Vaccines as antibiotic-sparing tools.

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