

The CPD programme for *SAMJ* is administered by Medical Practice Consulting.
CPD questionnaires must be completed online at www.mpconsulting.co.za.

SAMJ**1. Causes of maternal death at Natalspruit Hospital, Johannesburg, South Africa (SA)**

Despite increased resources to reduce maternal deaths, SA has an unacceptably high maternal mortality rate (MMR). This study on causes of maternal death at Natalspruit Hospital, Johannesburg, showed:

- a. The MMR at Natalspruit Hospital during the study period was higher than the national institutional maternal mortality rate.
- b. The majority of women were HIV-negative.
- c. A high number of women were unbooked.
- d. a and c.

2. Preventable warfarin-induced birth defects: A missed opportunity?

Regarding congenital disorders or birth defects:

- a. In ~50% of all congenital anomalies, no specific cause can be identified.
- b. A teratogen is any substance, agent or process that affects typical fetal development, resulting in one or more congenital disorders in the fetus.
- c. Age and general health are not risk factors for birth defects.
- d. a and b.

CME**3. An overview of the genetic basis of cardiovascular disease**

Regarding genetic variations:

- a. Genetically, we are 99% the same.
- b. Variation occurs only in germ cells.
- c. Only variation that arises in germ cells can be inherited from one individual by another and affect population dynamics, and ultimately evolution.
- d. a and c.

4. Epigenetics – an introductory overview

Regarding epigenetics:

- a. Epigenetics refers to the phenomenon of differential expression of genes as a result of non-genetic changes to the underlying DNA.
- b. Gene expression is regulated in four dimensions, i.e. the three dimensions of space, within which the cell types divide, and the fourth dimension of time.
- c. Two copies of every gene are carried on the Y chromosome and mitochondria.
- d. a and b.

5. Ethical considerations in genomic research in SA

Consent is always required in health research in SA, unless the need has been waived by an ethics committee. (True/false)

Readers please note: Articles may appear in summary/abstract form in the print edition of the Journal, with the full article available online at www.samj.org.za

A maximum of 3 CEUs will be awarded per correctly completed test.

INSTRUCTIONS

1. Read the journal. All the answers will be found there, in print or online.
2. Go to www.mpconsulting.co.za to answer the questions.

Accreditation number: MDB015/013/01/2019

