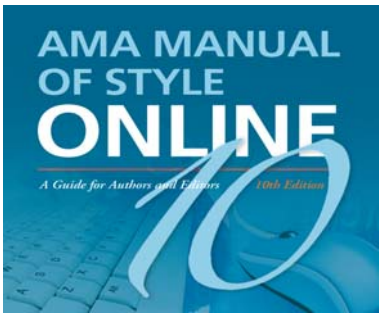

SI vs Conventional Units Quiz

by Laura King, MA, ELS

Directions: In the United States, most physicians and other health care professionals use conventional units for most commonly encountered clinical measurements (eg, blood pressure), and most clinical laboratories report many laboratory values in conventional units. To serve these readers, but also to serve the needs of readers in countries where SI units are used, the ***AMA Manual of Style*** has adopted an approach for reporting units of measure that includes a combination of SI units and conventional units. Edit the following sentences based on your understanding of **section 18.5** of the ***AMA Manual of Style*.**

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1. One sealed, unopened, unexpired bottle of each of the 6 contact lens solutions was maintained at room temperature (73.4°F), and a second sealed, unopened, unexpired bottle was maintained in a water bath at 140°F for 4 weeks and then allowed to return to room temperature for 1 day.

2. The mean 2-dimensional area of the largest metastasis was 7.2 sq in.

3. Of the dermatologists surveyed, 43% reported that their practices were within 100 miles of their residency training site, although there was substantial variation (mean, 538 miles; median, 189 miles).

4. Admission laboratory tests revealed the following: serum creatinine, 0.9 mg/dL; serum urea nitrogen, 11 mg/dL; serum albumin, 39 g/L; and prothrombin time, 11.5 seconds.

5. Transscleral stereotactic radiation dosing of porcine eyes results in no apparent clinical abnormalities at doses less than 2400 rad.

6. The specific radioactivities ranged from 0.31 to 5.25 Ci/µmol (11.6-194.3 GBq/µmol) at the time of injection.

7. Most of the 54 cancers among women with radiation doses higher than 100 rem were likely related to the radiation.

8. Dental costs for the 18-month intervention were comparable between the groups (527 euros for the patient group vs 511 euros for the controls). (At the time of the study, 1 euro = US$1.50.)

9. The luteinizing hormone level was 142 mU/mL, and the follicle-stimulating hormone level was 77 mU/mL.

10. Balanced salt solution contains 0.11 mol/L of sodium chloride (64%), which is a lower concentration than 0.154 mol/L of sodium chloride solution (0.9%).

11. Patients in both groups were treated for 1 year and were asked to consume a 5021- to 6276-kJ/d diet (1200- to 1500-kcal/d diet) and to increase their physical activity.

12. Laboratory tests revealed the following values: white blood cells, 9.7×10^{9}/L (85% neutrophils); platelets, 198×10^{9}/L; and red blood cells, 2.6×10^{12}/L.