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## **Publisher's version PDF**

**Faculty of Biology and Medicine Publication**

**Title:** Images in clinical medicine. Spurious platelet count.

**Authors:** Siegenthaler M, Spertini O

**Journal:** The New England journal of medicine

**Year:** 2006 May 4

**Volume:** 354

**Issue:** 18

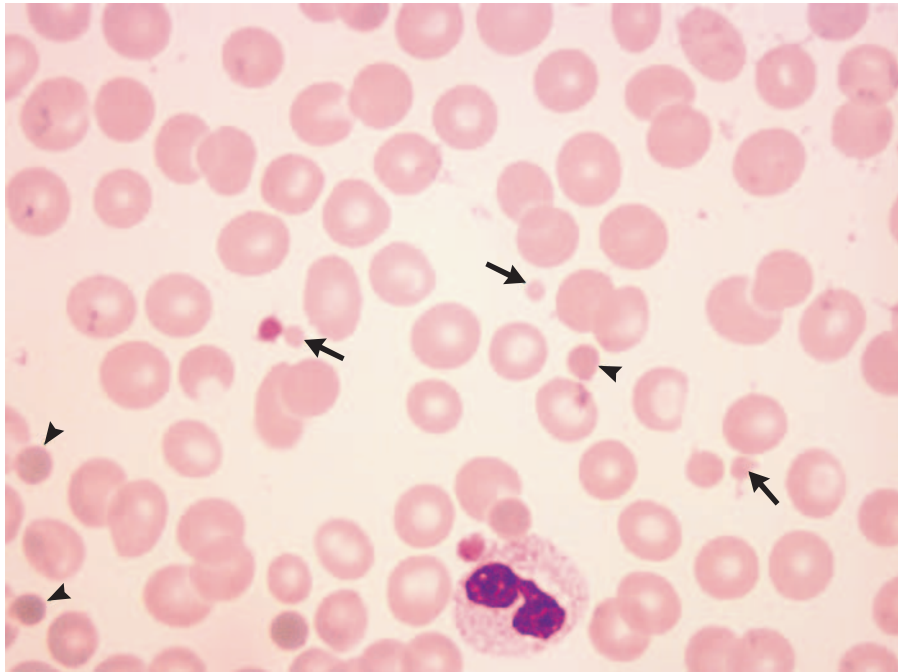
**Pages:** 1936

**DOI:** 10.1056/NEJMicm050107

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## IMAGES IN CLINICAL MEDICINE

## Spurious Platelet Count



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**A** PREVIOUSLY HEALTHY 48-YEAR-OLD MAN WAS ADMITTED FOR SEVERE burns involving his face, thorax, and upper and lower limbs (45 percent of body-surface area) associated with an inhalation injury. The hemoglobin level was 12.3 g per deciliter, the hematocrit 37 percent, the mean corpuscular volume  $93 \mu\text{m}^3$ , the red-cell-distribution width 15.8 percent, and the white-cell count 7400 per cubic millimeter. The platelet count was 274,000 per cubic millimeter when measured with the use of an automated system. Because staining of a peripheral-blood smear with May-Grünwald-Giemsa showed numerous spherocytes (arrowheads) and microspherocytes (arrows) resulting from heat-induced damage to red-cell membranes, platelets were recounted manually and the number was found to be much lower (85,000 per cubic millimeter). The spuriously normal platelet count obtained by means of the automated system was due to the misidentification of microspherocytes as platelets. Clinicians should consider this possibility when dealing with patients with recent burns.

After a protracted hospital stay, the patient required limb amputation and reconstructive surgery.

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