tachycardia and a holosystolic murmur (grade II) but no other findings.

The patient was then transferred to the pediatric intensive care unit, where she was intubated and mechanical ventilation was initiated. Her condition was considered life threatening; the patient had severe acute respiratory distress syndrome and progressive hypoxemia despite ventilator treatment, and laboratory findings worsened (Table).

The patient was given transfusions of blood products for treatment of anemia and thrombocytopenia. Chest radiograph and ultrasound showed an extensive right-side hemithorax. The result of a Zika virus–specific real-time RT-PCR was positive (Table). Her clinical condition deteriorated. Despite intensive treatment, the patient did not recover and died 37 hours later. An autopsy showed hepatic panacinar necrosis, erythrophagocytosis of Kupffer cells, and severe decrease of splenic lymphoid tissue (functional asplenia) with multiple drepanocytes and splenic sequestration, but no signs of yellow fever or malaria (online Technical Appendix Figure, http://wwwnc.cdc.gov/EID/article/22/5/15-1934-Techapp1.pdf).

Although sickle cell disorders are not common in Colombia, their frequency is higher along the Caribbean coast (including Atlántico Department) and 2 times that of the rest of Colombia (6). Although chronic diseases, such as sickle cell disorders, are considered to be a risk factor for development of severe dengue and chikungunya (7,8), no cases have been reported in association with Zika. Reports of patients co-infected with DENV and CHIKV are rare, few details are available, and mostly restricted to few fatal cases of dengue (9). In patients with dengue, deaths might be higher among those who have a hemoglobin SC genotype, as recently reported (10). Onset of vaso-occlusion in persons with sickle cell disorders is often triggered by inflammation, as has been reported in DENV infections and which probably occurred in our patient (8). This complication and severe splenic sequestration, detected by autopsy, probably caused her death.

In summary, this case indicates that patients with sickle cell disorders and suspected arboviral infections should be closely monitored. Given current epidemics of Zika virus in Colombia (746 RT-PCR–confirmed cases and 11,712 suspected cases during September 22, 2015–January 2, 2016), atypical and severe manifestations and concurrent conditions in patients should be assessed to prevent additional deaths (2).

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Detection of Autochthonous Zika Virus Transmission in Sincelejo, Colombia

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To the Editor: Zika virus is an arthropodborne member of the genus Flavivirus of the Spondweni serocomplex and is transmitted by Aedes mosquitoes (primarily Ae. aegypti in urban and periurban cycles). Zika virus emerged in Africa and has caused outbreaks of febrile disease that clinically resemble dengue fever and other arboviral diseases (1) but has been linked to neurologic syndromes and congenital malformation (2). Outbreaks have been reported in the Yap islands of the Federated States of Micronesia (3), French Polynesia (4), and Oceania; Brazil is currently experiencing the first reported local transmission of Zika virus in the Americas (5).

The future spread of Zika virus is unpredictable, but the history of the virus has been reminiscent of chikungunya virus (CHIKV), which reemerged in Africa and now circulates on all inhabited continents and is a major global health problem. Zika virus has been found in Colombia and is likely following the path of CHIKV, which reached the country in August 2014 (6). The virus co-circulates with other Ae. aegypti–transmitted arboviruses, including dengue virus (DENV) and yellow fever virus. We report Zika virus infection in Colombia and a recent ongoing outbreak in Sincelejo, Colombia, with resulting illness characterized by maculopapular rash, fever, myalgia/arthralgia, and conjunctivitis.

During October–November 2015, a total of 22 patients received a presumptive diagnosis of an acute viral illness by emergency department physicians at the Centro de Diagnostico Medico-Universidad de Sucre in Sincelejo. The patients began treatment for a dengue-like illness, and blood samples were obtained for diagnosis. The samples were analyzed at the Universidad de Sucre by using reverse transcription PCR (RT-PCR) to detect DENV, CHIKV, or Zika virus. Viral RNA was extracted from the serum samples by using the ZR Viral RNA Kit (Zymo Research, Irvine, CA, USA); reverse transcription was performed by using the Protoscript First Strand cDNA Synthesis Kit (New England Biolabs, Ipswich, MA, USA). Amplicons were produced by using the OneTaq Quick-Load 2X Master Mix (New England Biolabs) with primers specific to DENV (7), CHIKV (forward: 5′-CGCCAACATTCTGGTTACAC-3′; reverse: 5′-AGGATGCCG-GTCATTGGAT-3′), and Zika virus. The CHIKV amplification target was 649 bp of nonstructural protein 1 (NS1). A positive PCR for a partial region of the envelope (E) gene with primers ZIKVENVF and ZIKVENVR (8) was considered indicative of Zika virus infection. Zika virus primers specific for the E gene and NS1 were designed and used to amplify the E gene and NS1 for phylogenetic analyses, and amplicons were produced by using the OneTaq One-Step

Figure. Majority-rule consensus tree based on Zika virus envelope and nonstructural protein 1 gene sequences (2,604 nt) of isolates from patients in Sincelejo, Colombia, October–November 2015, compared with reference isolates. The tree was constructed on the basis of Bayesian phylogenetic analysis with 8 million generations and a general time-reversible substitution model using MrBayes software version 3.2 (http://mrbayes.sourceforge.net). Numbers to the right of nodes represent posterior probabilities for corresponding clades. Samples sequenced in this study are in bold, and sequences are listed with GenBank accession numbers and are coded as accession no./strain/country/year of isolation when all information was available. The Colombia sequences are grouped with the Asian lineage of Zika virus. The tree was rooted with the Spondweni virus isolated in South Africa as the outgroup. Scale bar indicates nucleotide substitutions per site.
RT-PCR Kit (New England Biolabs). E gene and NS1 PCR products were sequenced at the University of Wisconsin–Madison Biotechnology Center (Madison, WI, USA).

Samples from all patients were negative by RT-PCR for DENV and CHIKV; samples from 9 (41%) patients were positive for Zika virus. Among those 9 patients, 7 (78%) were male; median age was 23; and none had a history of international travel. Zika virus was analyzed by sequencing the E gene and NS1 of 2 isolates. Phylogenetic analyses rooted with Spondweni virus showed that the Zika virus sequences (GenBank accession nos. KU646827 and KU646828) belonged to the Asian lineage (Figure) and were closely related to strains isolated during the 2015 outbreak in Brazil (5). The sequences also showed 99% identity with sequences from a Zika virus isolate from French Polynesia (GenBank accession no. KJ776791) (9). These data suggest that Zika virus circulating in Colombia could have been imported from Brazil, most likely as a result of tourism activities on Colombia’s northern coast, where the first reported case was identified (the state of Bolivar).

We report Zika virus infection in Colombia in association with an ongoing outbreak of acute maculoezanthematic illness. Since detection of Zika virus in Sincelejo, a total of 13,500 cases have been identified in 28 of the country’s 32 territorial entities (10), all of which have abundant populations of Ae. aegypti mosquitoes and co-circulation of DENV and CHIKV. These circumstances highlight the need for accurate laboratory diagnostics and suggest that monitoring whether the virus spreads into neighboring countries (e.g., Ecuador, Peru, Venezuela, and Panama) is imperative.

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Health Precautions Taken by Travelers to Countries with Ebola Virus Disease

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To the Editor: To facilitate early recognition of Eb          

During March 16, 2015–December 29, 2015 (the last day of EVD active monitoring by DOHMH), persons who underwent active EVD monitoring by DOHMH and who reported living in the United States for most of the previous