A unique case of blastoid variant of mantle cell lymphoma with an aberrant CD5-/CD10+/Bcl-6+/CD56+ immunophenotype: a case report

Sanghui Park1, and Young Hyeh Ko2

1Department of Pathology, Ewha Womans University School of Medicine, Seoul; 2Department of Pathology, Samsung Medical Center, Sungkyunkwan University School of Medicine, Seoul, Korea

ABSTRACT

The neural adhesion molecule CD56 is normally expressed on natural killer cells and subsets of T cells and is commonly found in hematolymphoid neoplasms. Expression of CD56 is very rare in B-cell lymphoma and most reported CD56-positive cases were diffuse large B-cell lymphomas. Cases of CD56-positive mantle cell lymphoma (MCL) have not previously been described in the literature. We present a case of CD56-positive MCL. To the best of our knowledge, this is the first case report of MCL expressing CD56.

Key words: CD56, immunohistochemistry, B-cell lymphoma, mantle cell lymphoma.

Correspondence to: Sanghui Park, MD, PhD, Department of Pathology, Ewha Womans University School of Medicine, 911-1 Mok-dong, Yangcheon-gu, Seoul 158-710, Korea. Tel +82-10-99153252; fax +82-2-26502879; email americandoc@hanmail.net or Young Hyeh Ko, MD, PhD, Department of Pathology, Samsung Medical Center, Sungkyunkwan University School of Medicine, 50 Ilwon-dong Kangnam-Gu, Seoul 135-710, Korea. Tel +82-2-3410-2752; fax +82-2-3410-0025; email yhko310@sukku.edu

Received September 6, 2011; accepted November 28, 2011.