



Anticonvulsant-induced hematologic complications

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Anti-Epileptic Drugs (AEDs), like other medications are associated with different side effects such as liver dysfunction, cognition disorders, skin and hematologic complications. As in convulsion, we need to take under control seizure attacks toughly, side effects would cause different types of physically and mentally problems for patients which are mild to severe that may cause not achieving optimum function of these medications. Therefore, if these complications occur, because of increasing burden of co-morbidity, it may lead to dose adjustment, discontinuing or another drug replacement for controlling such side effects. Anti-epileptic drugs have mild to severe and sometimes life-threatening side effects. Although all AEDs could cause a wide range of unpleasant side effects, some of them are assumed as a hallmark of a specific AED. For instance, one of the most common side effects among anti-epileptic medications is mild to life threatening hematologic issues like anemia, thrombocytopenia, aplastic anemia and bone marrow suppression. In this article we tried to discuss the hematologic side effects of AEDs, their risk factors, preventing strategies and treatment options.