JOURNAL OF TURKISH SLEEP MEDICINE | JTSM

www.tutd.org.tr

HLA SUBTYPE DISTRIBUTION IN CENTRAL DISORDERS OF HYPERSOMNOLENCE AND RELATIONSHIP OF HLA TYPING WITH CLINICAL AND ELECTROPHYSIOLOGICAL FINDINGS IN PATIENTS WITH EXCESSIVE DAYTIME SLEEPINESS

ABSTRACT

·This study aims to reveal HLA subtypes in central disorders of hypersomnolence (CDH) and explore their association with objective sleep measures

·Among total of 82 participants (31 narcolepsy NT1-NT2), 25 non-narcolepsy CDH and 24 non-central hypersomnia), the most common HLA was DQB1*03 (95.1%)

·DQB1*06 was more frequent in NT1 compared to other groups ($p<0.001$), while DQB1*02 was more commonly seen in non-narcolepsy cases ($p<0.001$)

·The clinical and polysomnographic features specific to narcolepsy were more frequent in presence of DQB1*06 and, in absence of DQB1*02 and DQB1*05

