

Revised stratigraphy of the Northern Chichibu Belt in the Kazahaya-toge area, Kanto Mountains

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The stratigraphy of the Northern Chichibu Belt in the Kazahaya-toge area, Kanto Mountains was re-investigated. Strata in this study area are divided into three formations; the Kashiwagi, Manba, Kamiyoshida formations in ascending order. The Kazahaya-toge Unit, mainly composed of clastic rocks, is considered to be a part of the Kamiyoshida Formation. The Kashiwagi Formation consists mainly of lowgrade metamorphosed mudstone and siliceous tuff including blocks such as chert and greenstone. The Manba Formation consists mainly of greenstone including blocks such as mudstone, chert, limestone. The Kamiyoshida Formation consists mainly of chert and alternation of sandstone and mudstone, mixed rock including blocks of greenstone, siliceous tuff, siliceous mudstone, limestone, chert breccia, conglomerate. Beds usually dip gently. The geological structure is characterized by anticline and syncline with east-west-trending fold axis. Of 160 samples at 128 sites radiolarian fossils were found from 63 samples at 53 sites.

No age diagnostic radiolarian fossils have been obtained from the Kashiwagi Formation. One sample of siliceous mudstone in the Manba Formation yielded *Striatojaponocapsa* sp. cf. *plicarum* (YAO) and *Eucyrtidiellum unumaense* (YAO), indicating the *Striatojaponocapsa plicarum* zone (JR4) or *Striatojaponocapsa conexa* zone (JR5) of Middle Jurassic age. Two samples of siliceous mudstone in the Kamiyoshida Formation yielded *Striatojaponocapsa plicarum* (YAO), *Cyrtocapsa mastoidea* YAO and *Stichocapsa convexa* YAO, indicating the *Striatojaponocapsa plicarum* zone (JR4) of middle Middle Jurassic age. Taking the occurrence of *Laxtorum(?) jurassicum* zone radiolarian fossils of early Middle Jurassic age from the uppermost part of the Kamiyoshida Formation into account, the formation shows a younging polarity in the age of clastic rocks from the upper part to the lower part.