

Detailed stratigraphy of the uppermost Iwaizaki limestone (Middle Permian) in the South Kitakami beltin

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The Permian Iwaizaki Limestone in the South Kitakami belt represents a shallow marine carbonates of continental shelf facies. The previous fusuline stratigraphic researches clarified that the upper half of the limestone belongs to Capitanian (Upper Guadalupian, Middle Permian). Nonetheless the topmost ca. 30 m-thick interval was not well analyzed in lithology and age. Here we report new detailed lithostratigraphy of this interval and discuss the environmental changes near the extinction horizon of the large-tested Capitanian fusulines dominated by *Lepidolina multiseptata*.

Keywords: Permian, Iwaizaki limestone, South Kitakami belt, fusuline, mollusc, Capitanian