

This supposition is moreover confirmed by the animal nature of the earth in which these bones are found*.

This much is certain, that the establishment of these animals in the caves has taken place at a much later epoch than that at which the great rocky strata have been formed, not only those which compose the mountains in which the caves are situated, but the strata of much newer origin. No permanent inundation has penetrated into the subterranean dens, and formed a regular rocky deposit. The mud arising from the proper decomposition of these animals, and the stalactites that have been filtered through the wall of the caves, are the only matters which cover these remains, and these stalactites increase so rapidly, that M. Goldfuss already found a layer

Such a change could not be produced by any external mechanical injury, nor by any slight action of the weather; but must proceed from a tedious constitutional disease, connected with a total change of the organo-forming plastic activity, and proceeding from a peculiar dyscrasia." Hence it is probable, these cave-bears even suffered from gout, scrophula, and other similar diseases.

* According to Laugier, in 100 parts of the earth in which the bones in the caves of Gaylenreuth are imbedded, he found the following proportional quantity of constituent parts;

1. Lime, with a little magnesia, in the state of carbonate,	32.0
2. Carbonic acid and moisture, - - - -	24.0
3. Phosphate of lime, - - - -	21.5
4. Animal matter and water, - - - -	10.0
5. Alumina slightly coloured with manganese, - -	4.0
6. Silica coloured with iron, - - - -	4.0
7. Oxide of iron, probably combined with phosphoric acid,	3.5
8. Loss, - - - -	1.0
	100.0