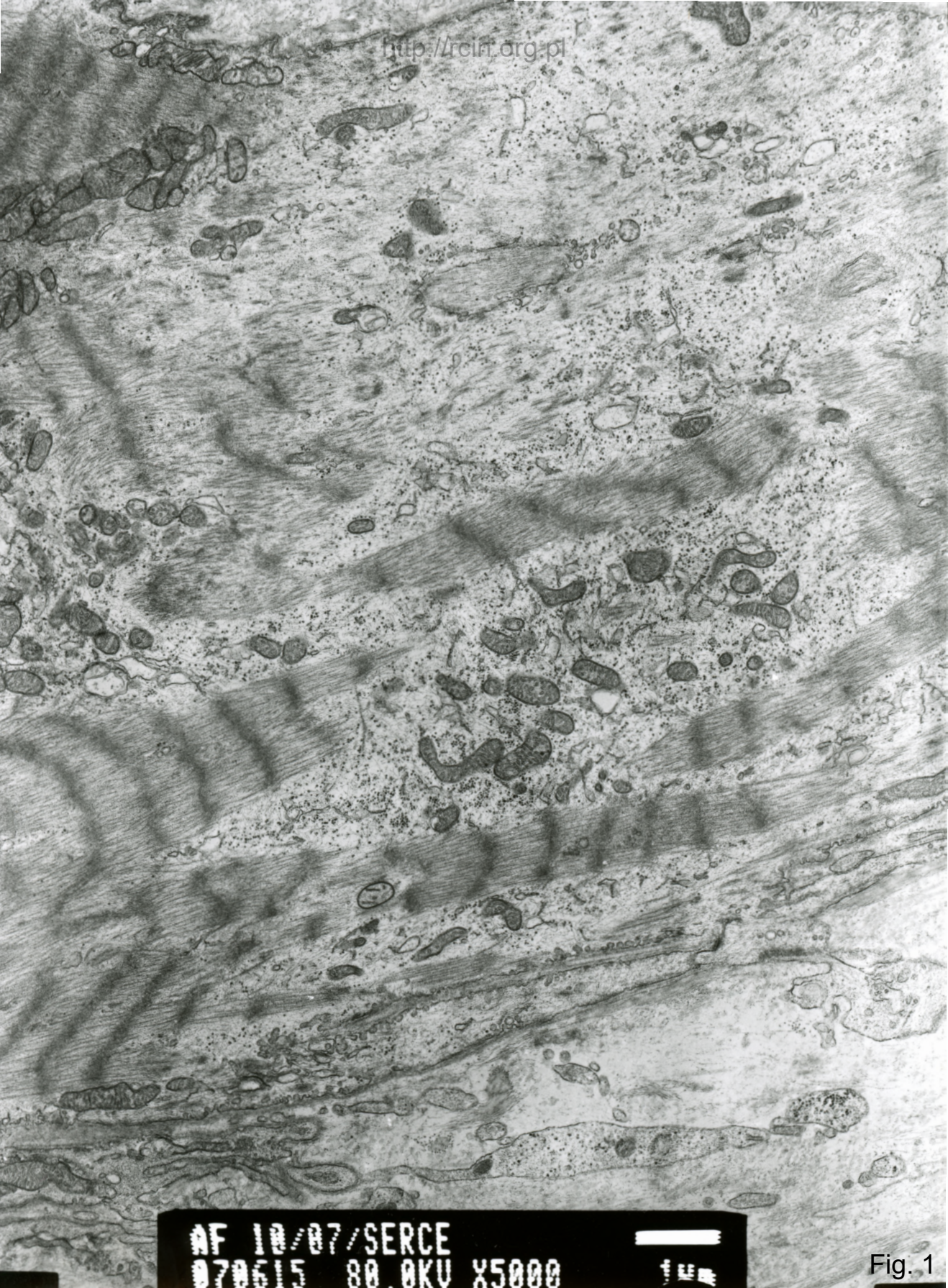

Fig. 1

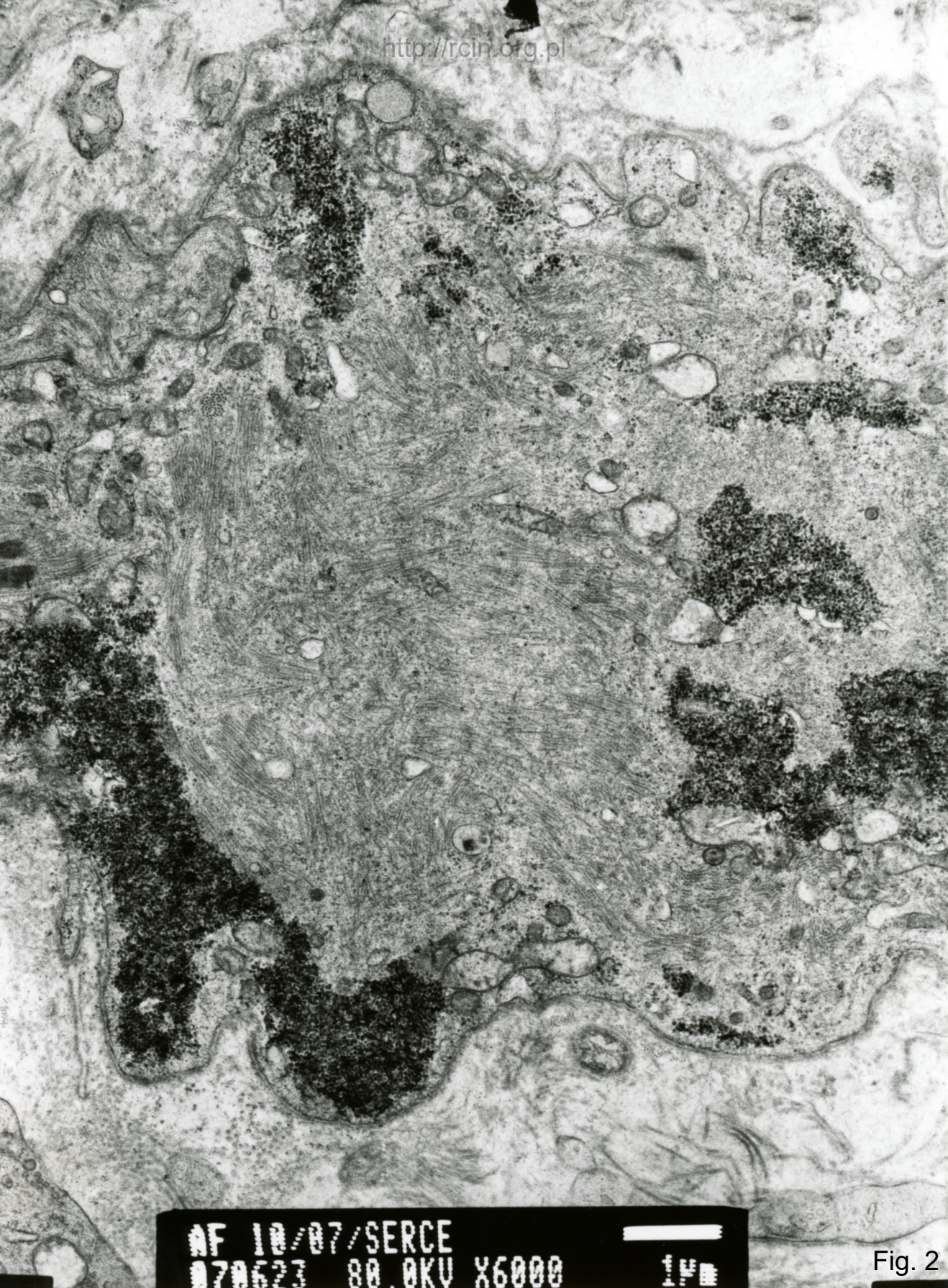

Fig. 2

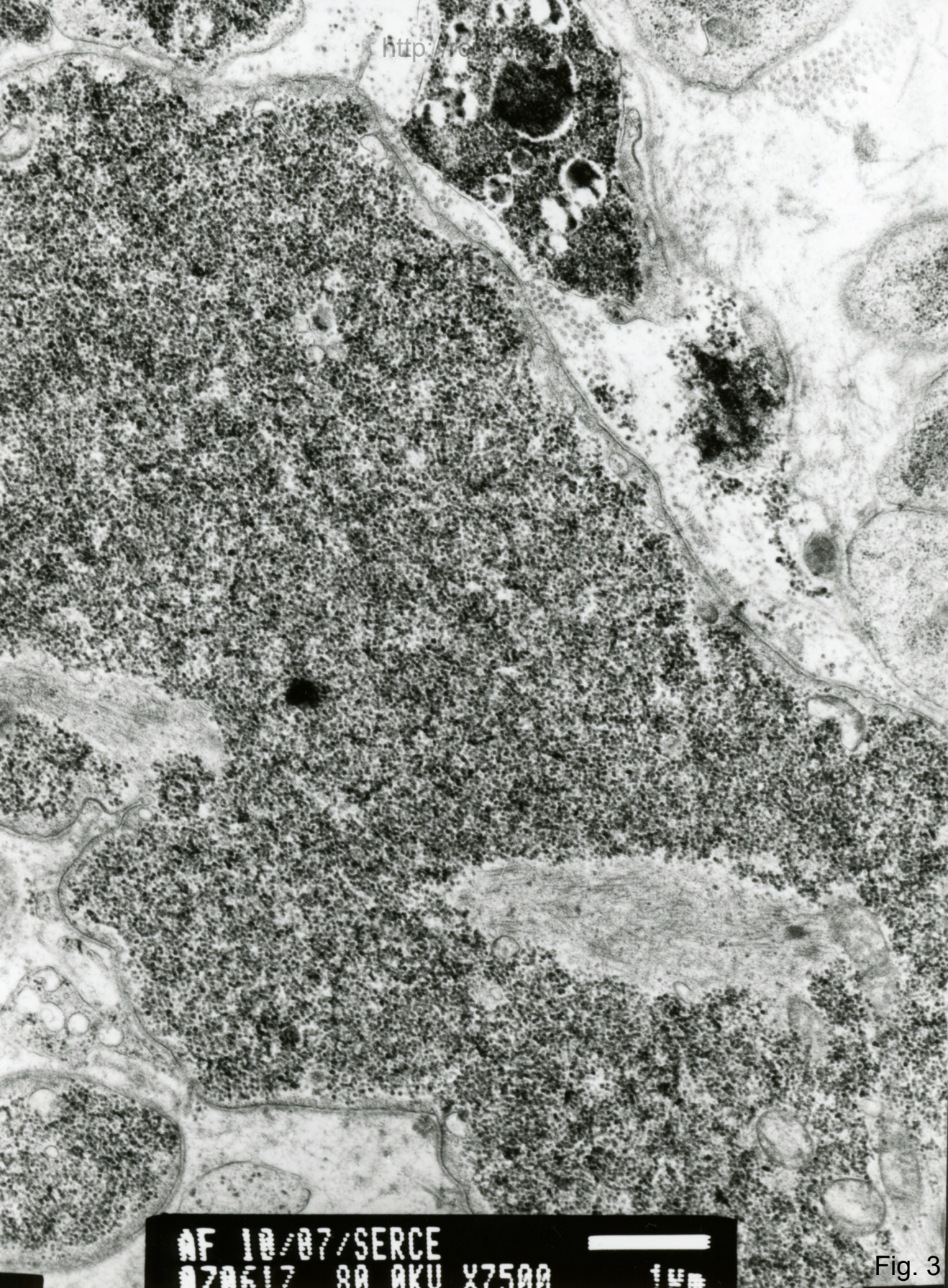

Fig. 3

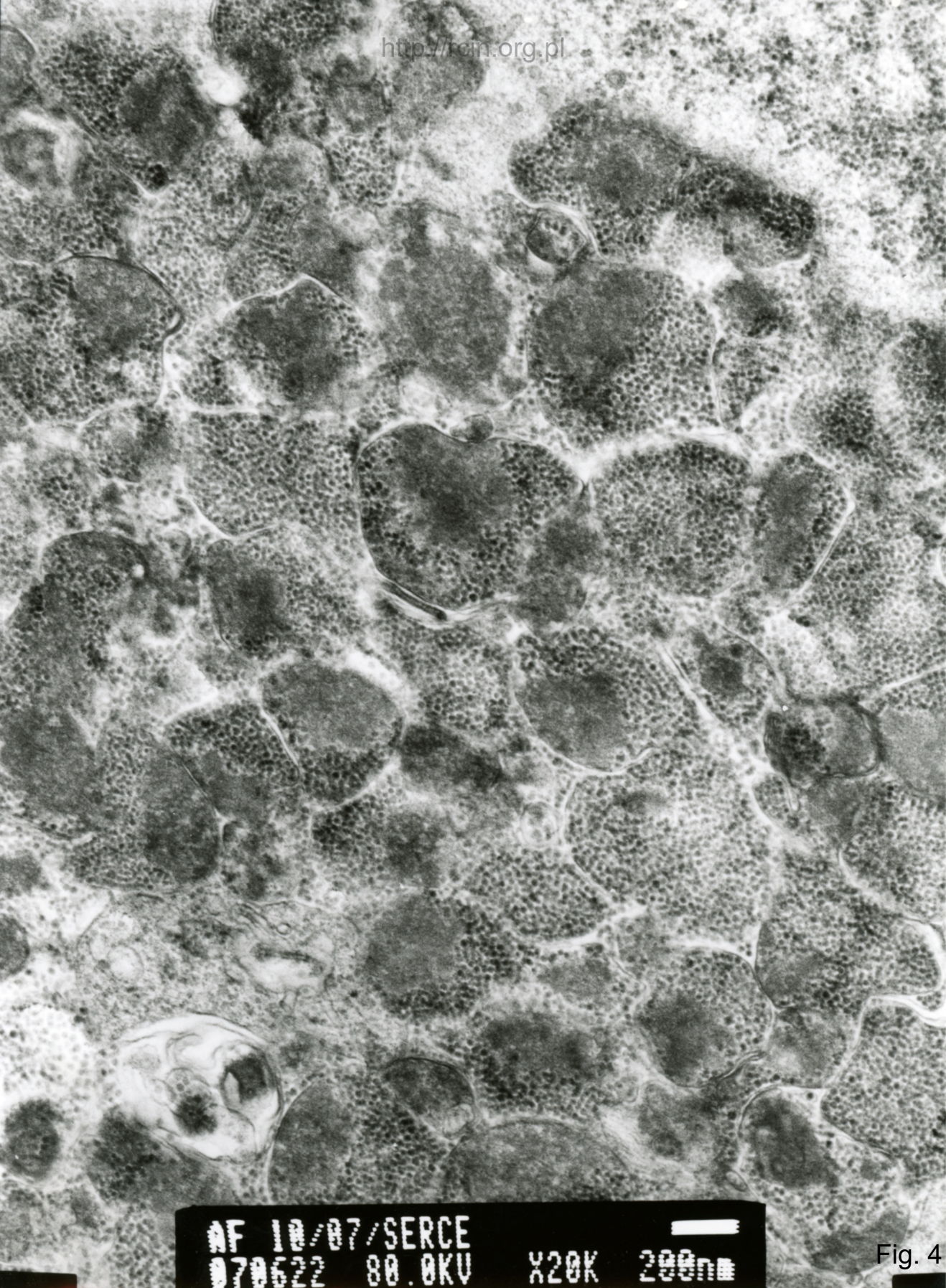

Fig. 4

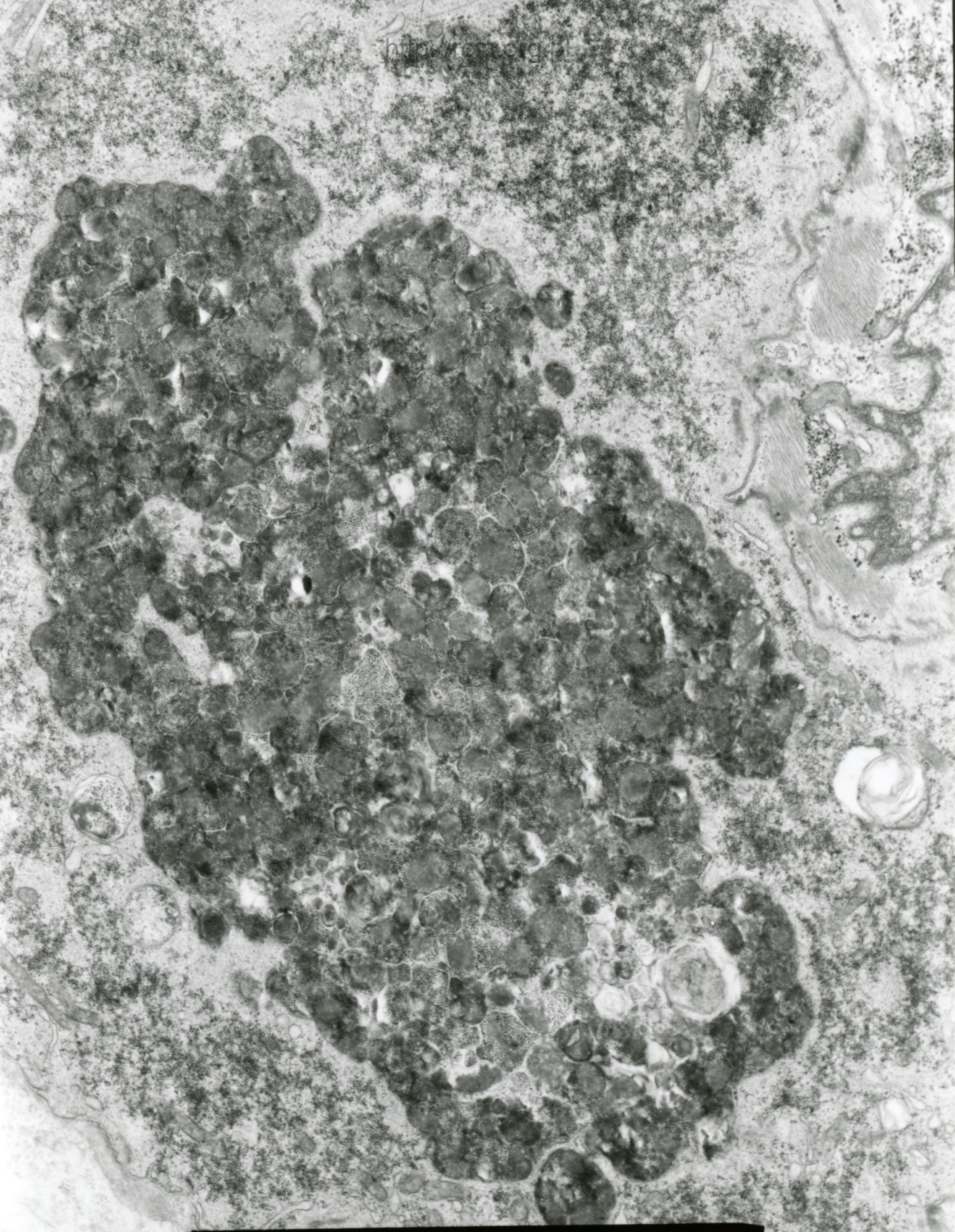

Fig. 5

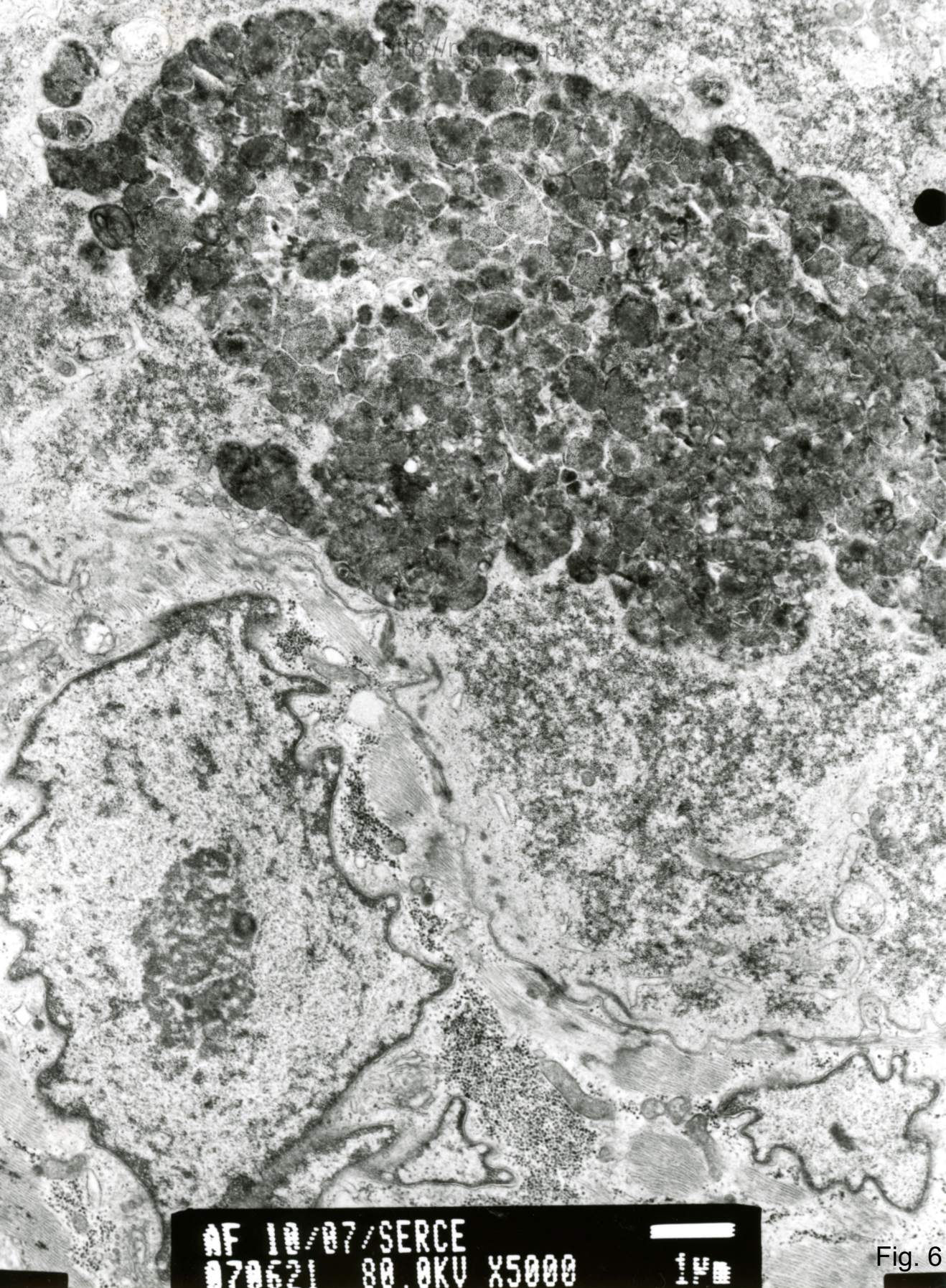

Fig. 6

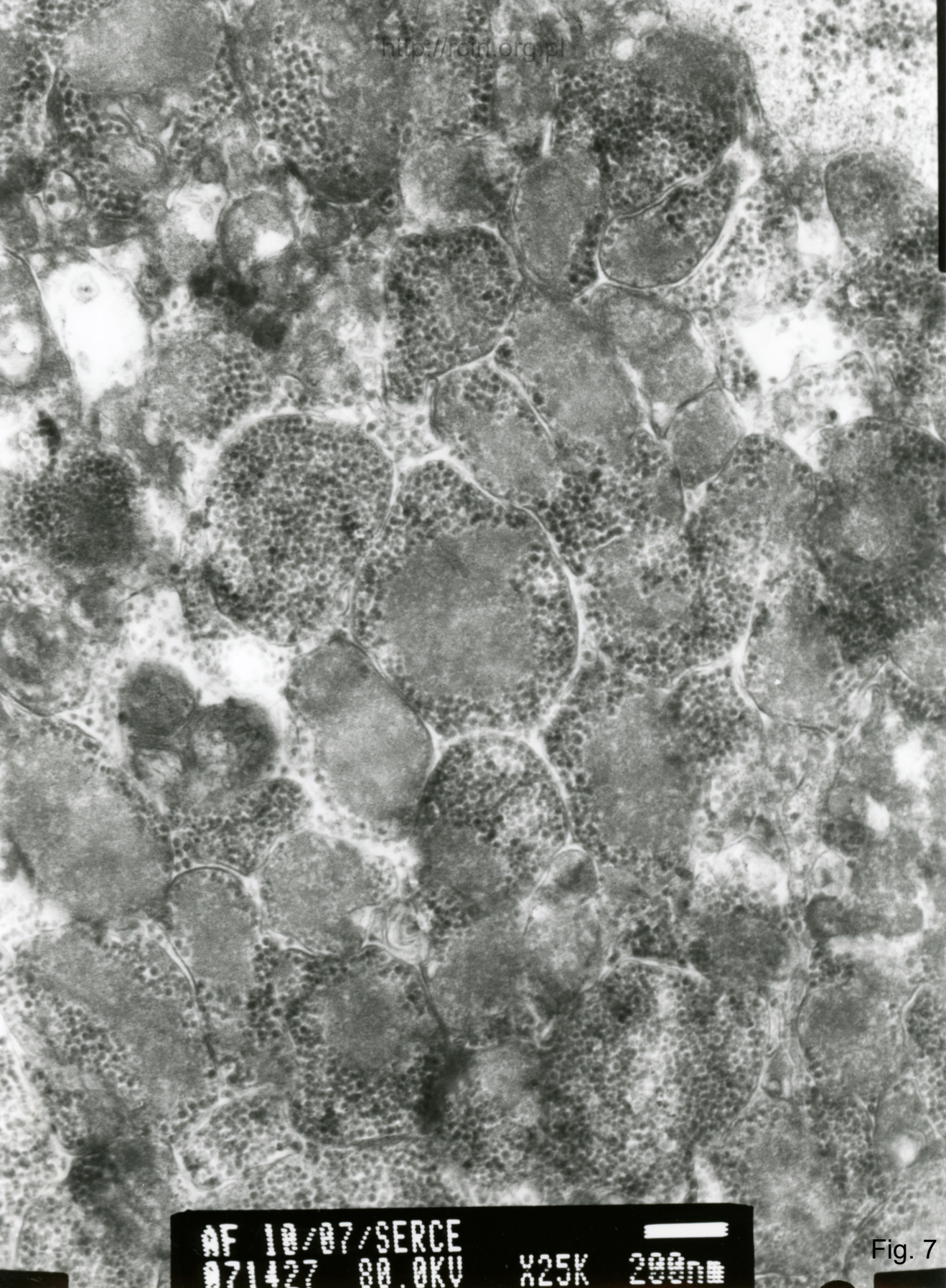

Fig. 7

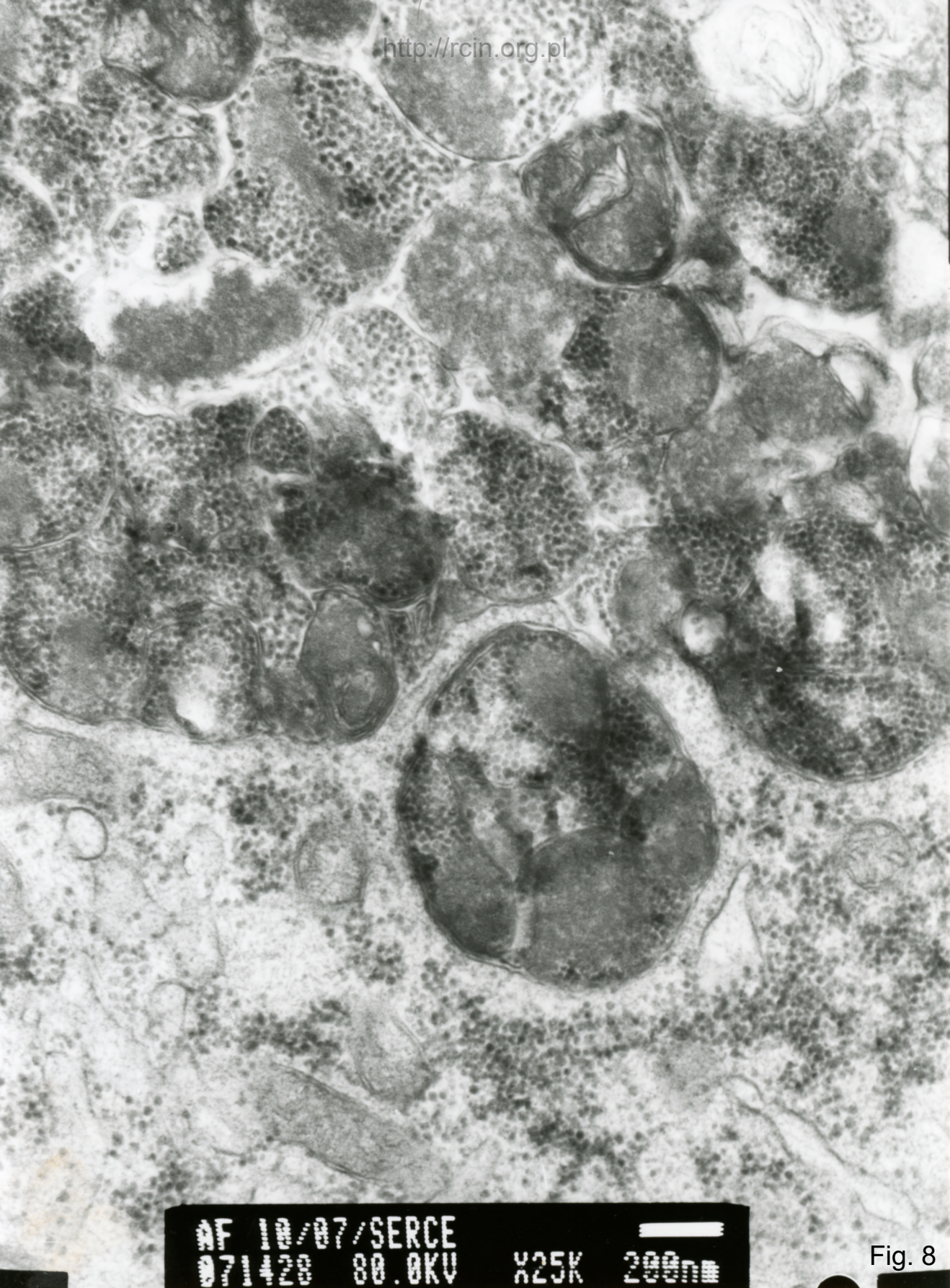

Fig. 8

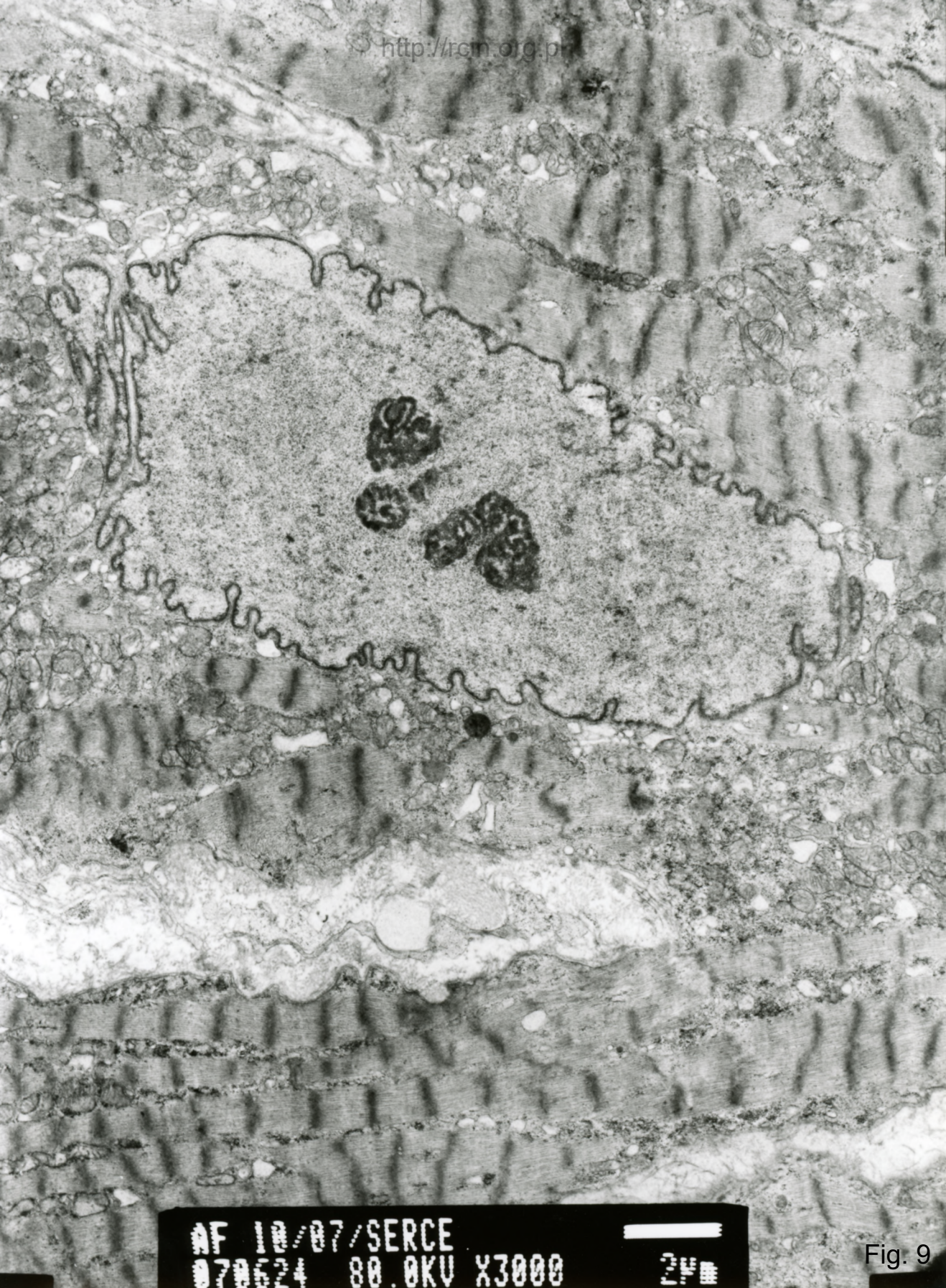

Fig. 9

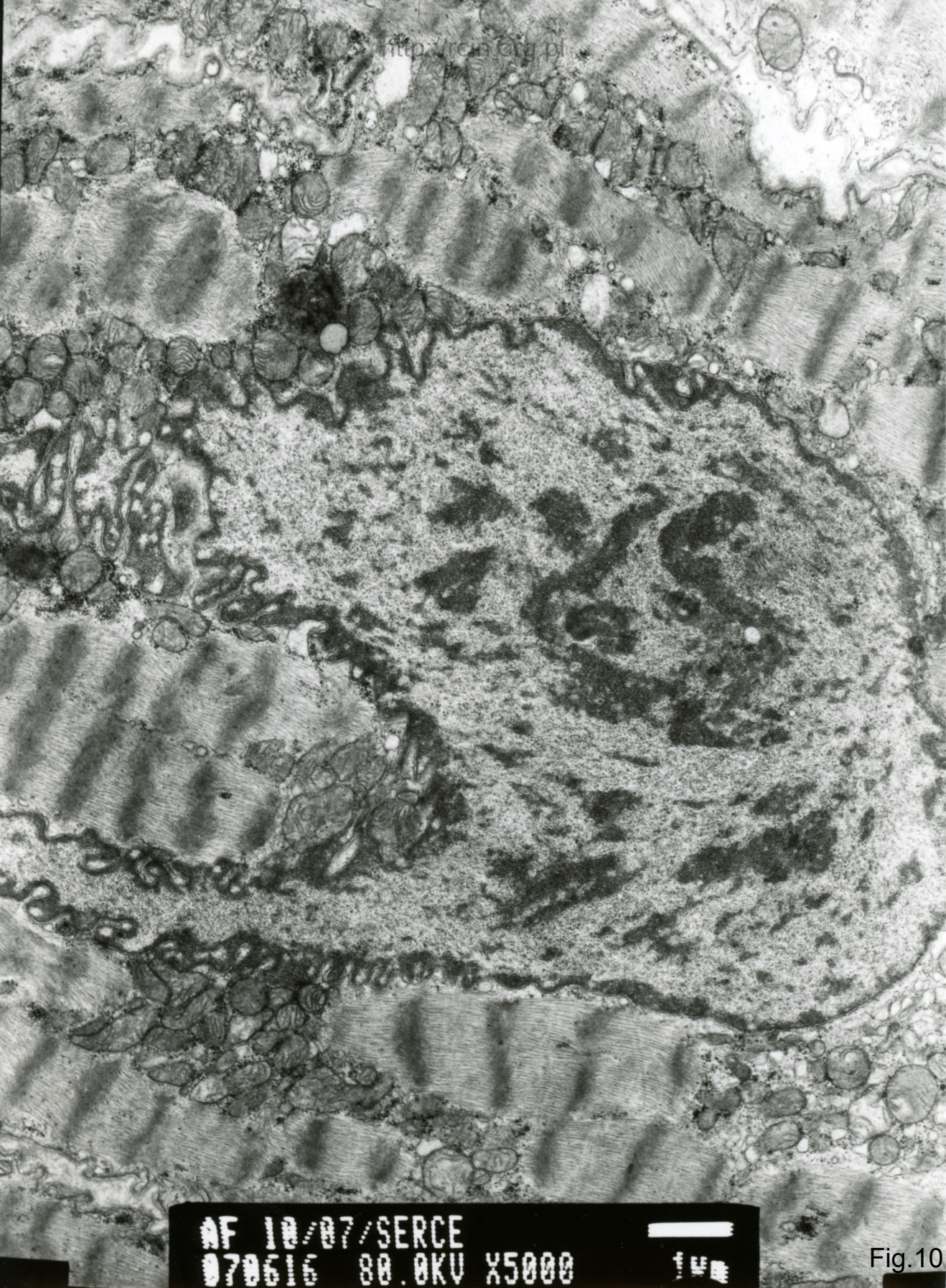

Fig.10

Analiza ultrastrukturalna wykazała zaburzenia w układzie sarkomerów (Fig.1,2). W niektórych kardiomiocytach obserwowano liczne ziarna glikogenu w strefie podbłonowej (Fig. 3). Często ziarna glikogenu występowały w regularnych skupiskach otoczonych błoną. Czasami struktury te wykazywały morfologię autofagosomów (Fig.4-8). Jądra kardiomiocytów posiadały nieregularny kształt i liczne wgłobienia w otoczce (Fig. 9,10).

Ultrastructural evaluation revealed altered sarcomeres arrangement (Figs.1,2). In some cardiomyocytes numerous glycogen granules located under the sarcolemma were observed (Fig. 3). Glycogen granules were also often seen as regular clusters surrounded by membrane. Sometimes these structures showed morphology of autophagosomes (Figs. 4-8). Nuclei of cardiomyocytes were characterized by an irregular shape and numerous indentations in the nuclear envelope (Figs. 9,10).