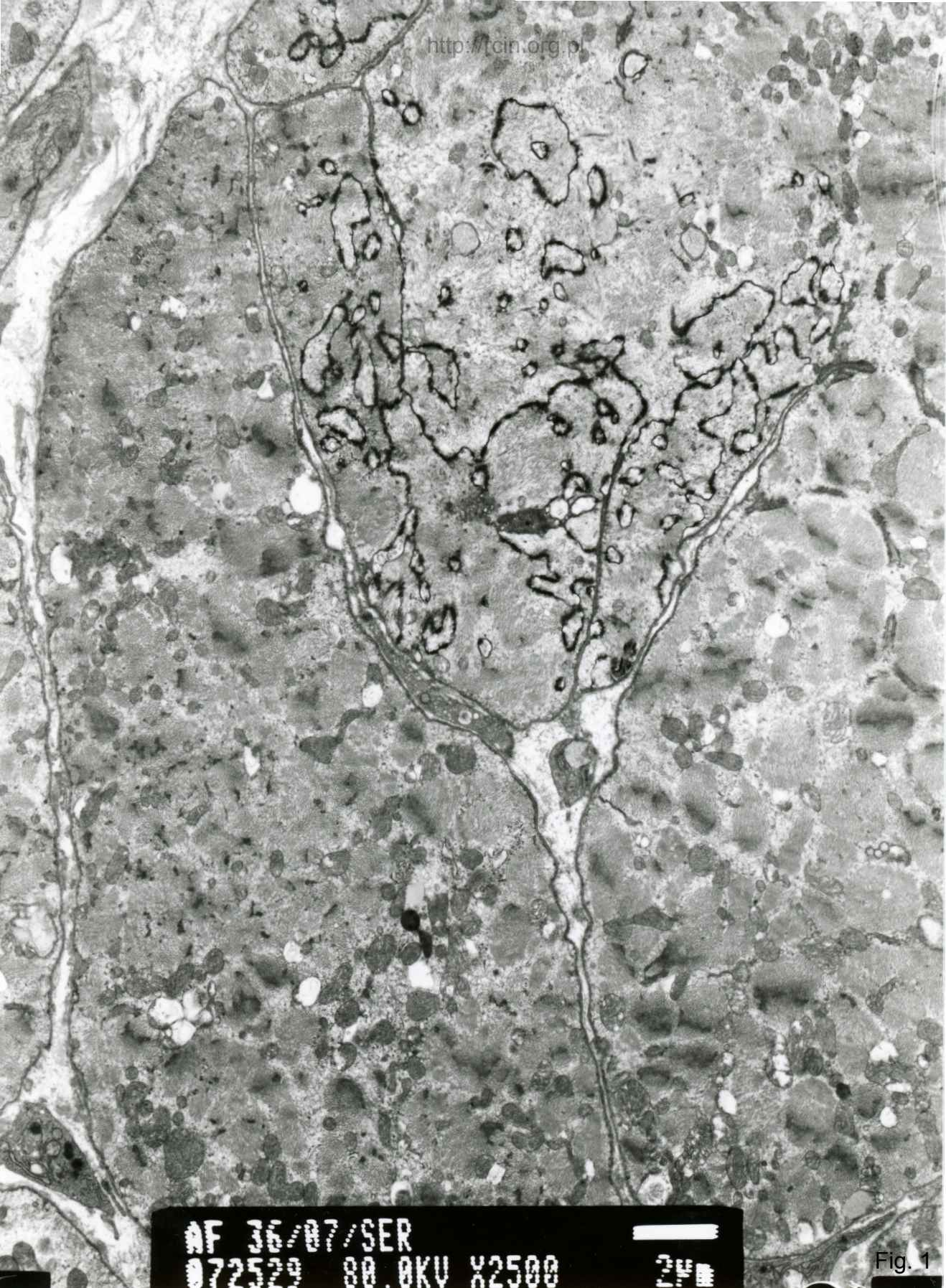

Fig. 1

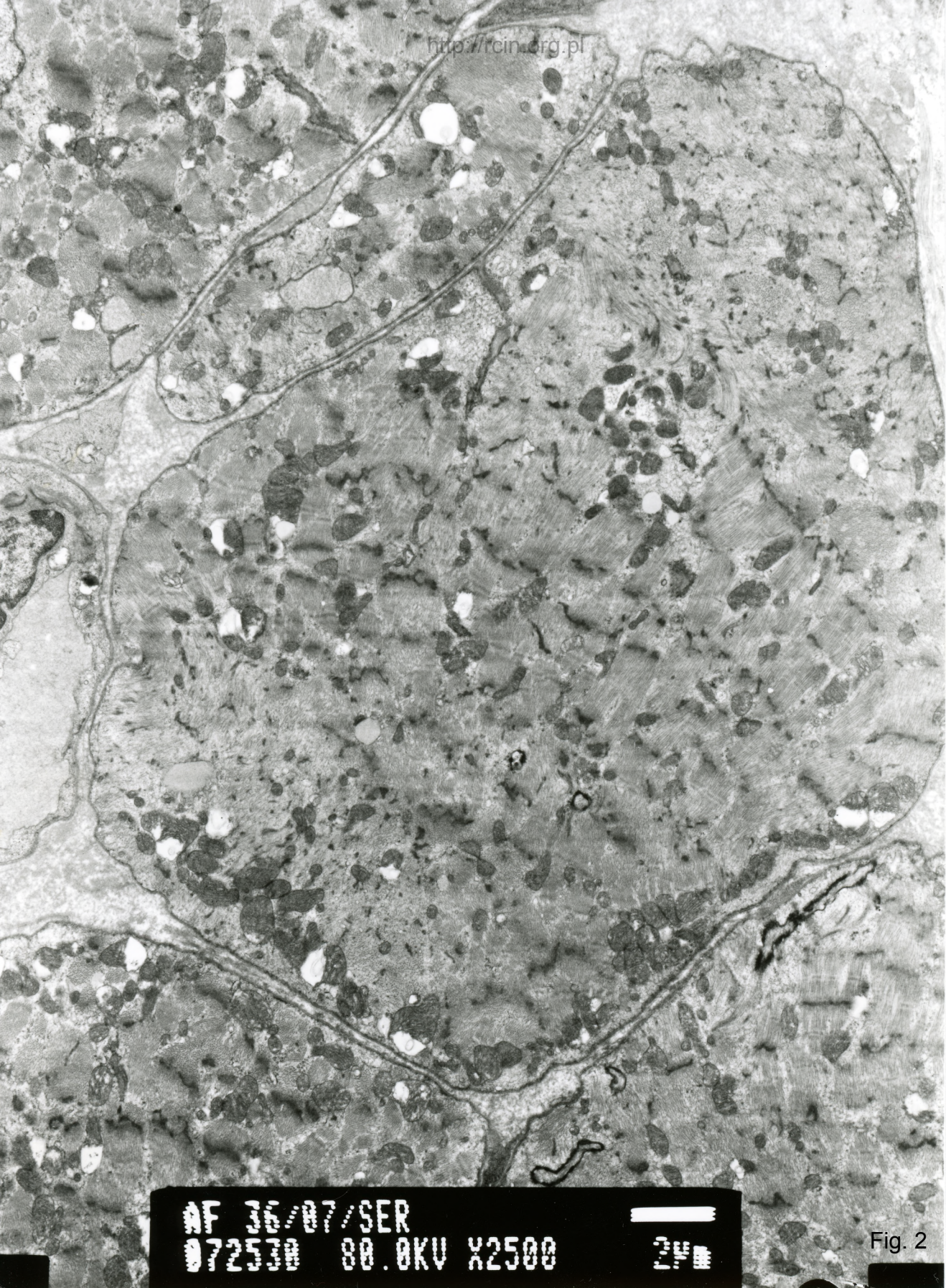

Fig. 2

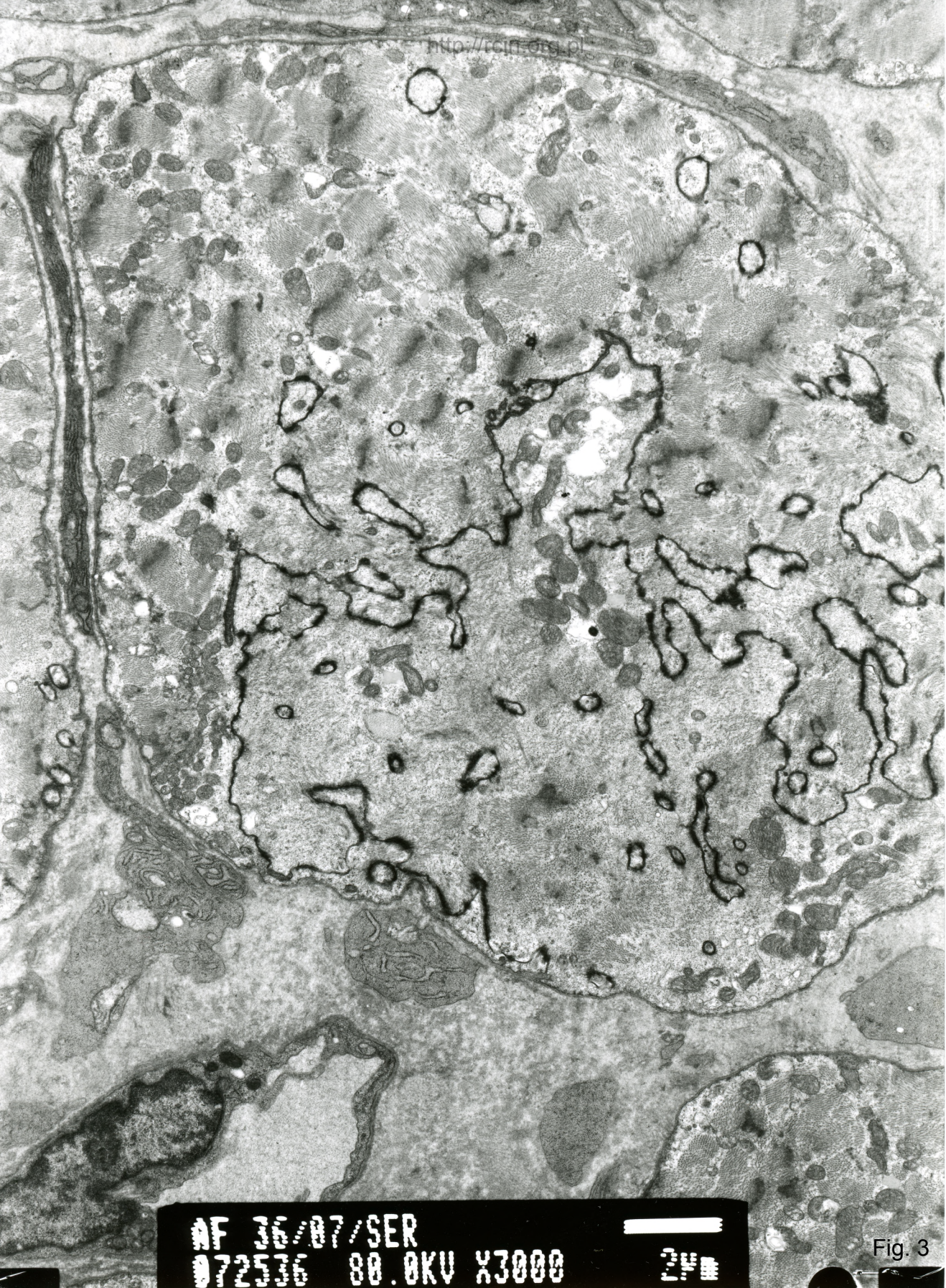

Fig. 3

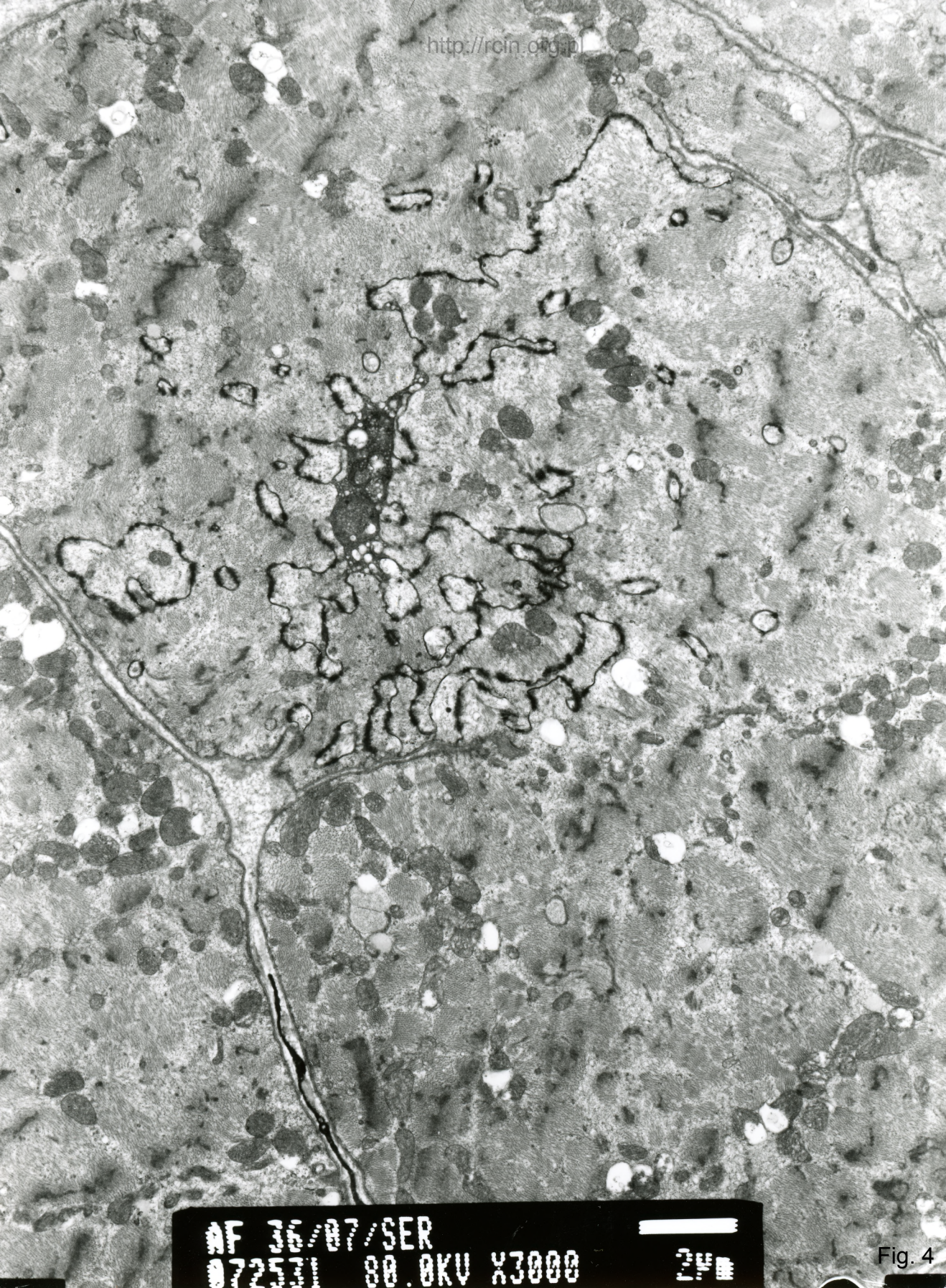

Fig. 4

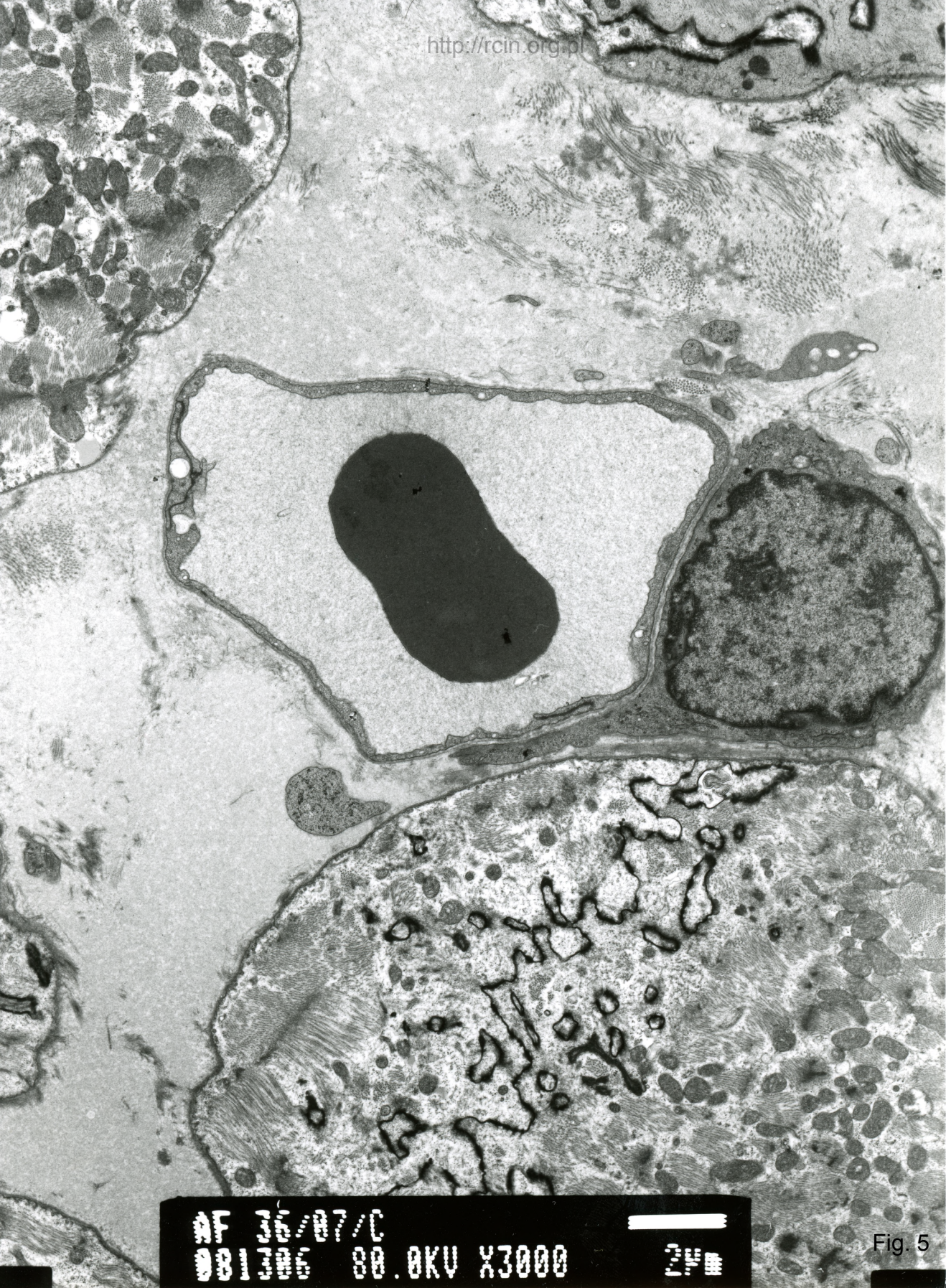

Fig. 5

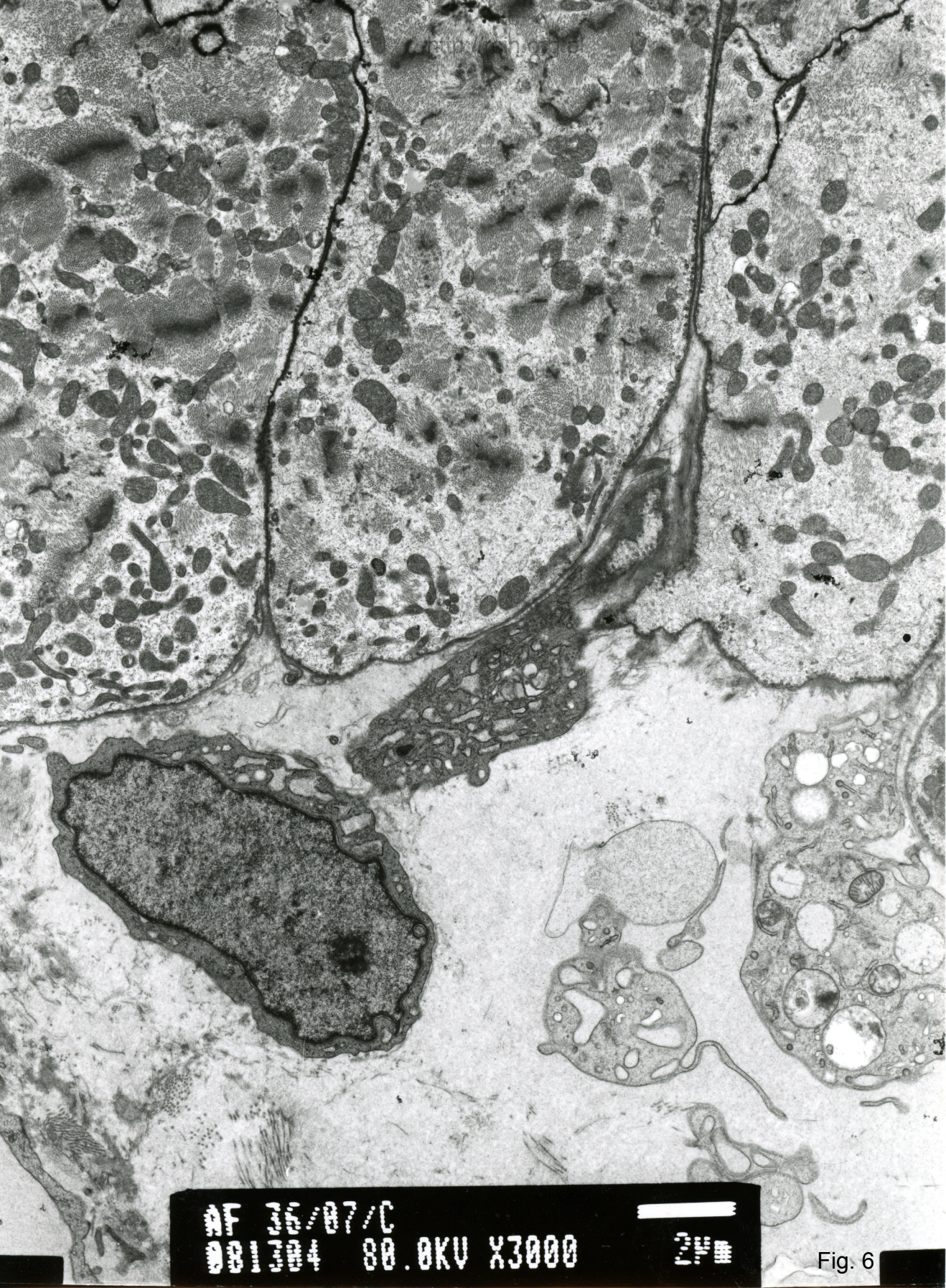

Fig. 6

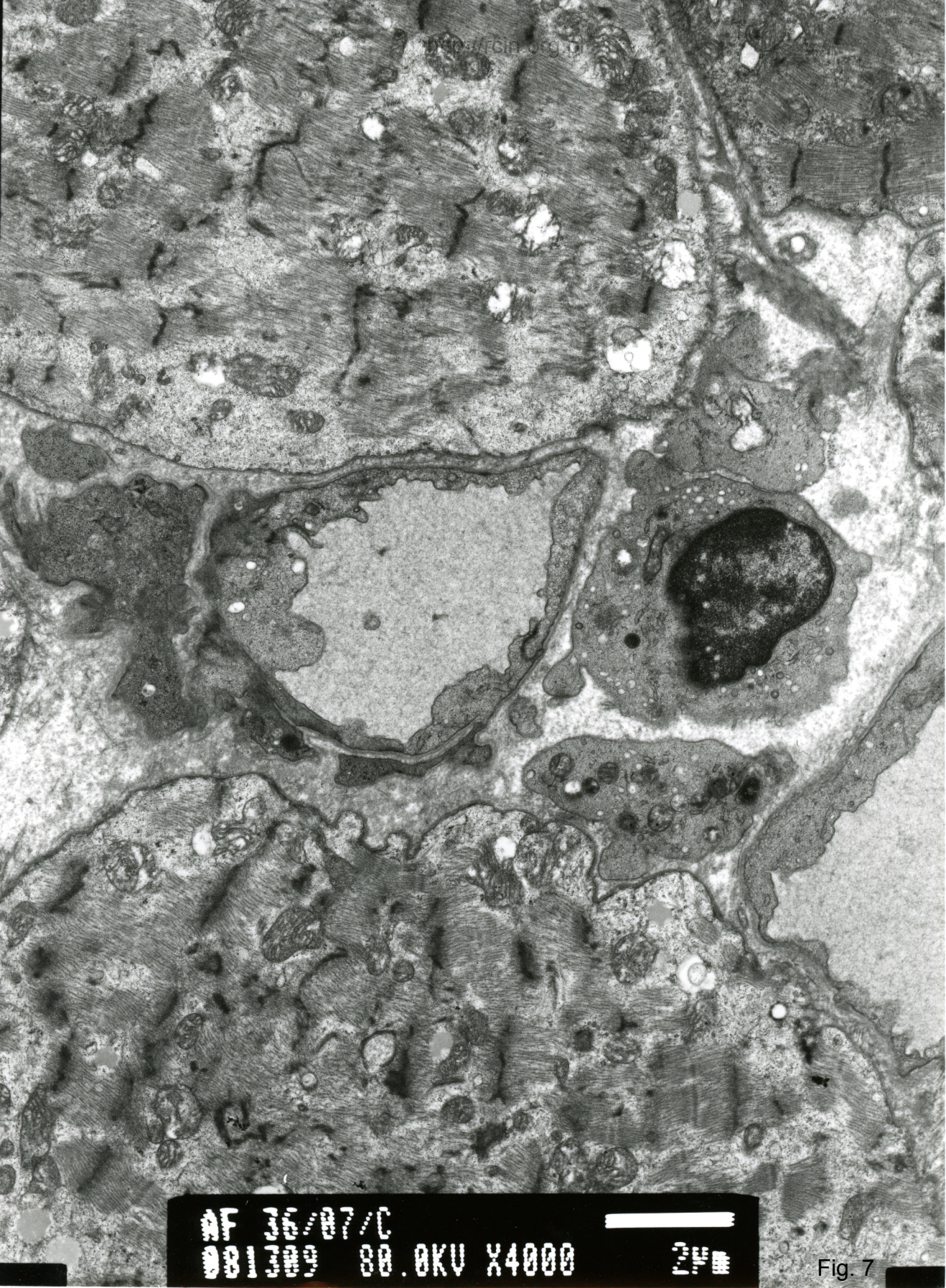

Fig. 7

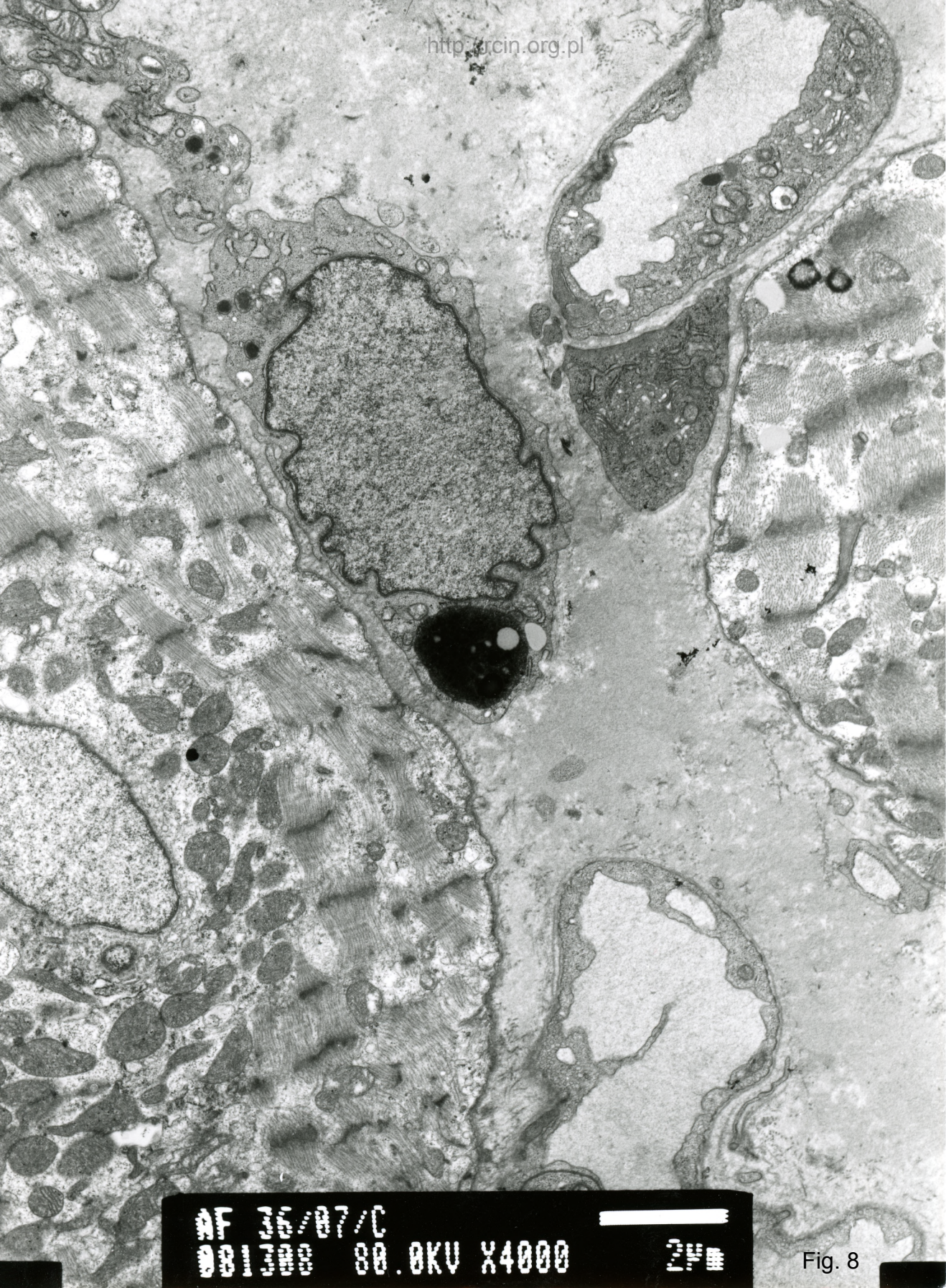

Fig. 8

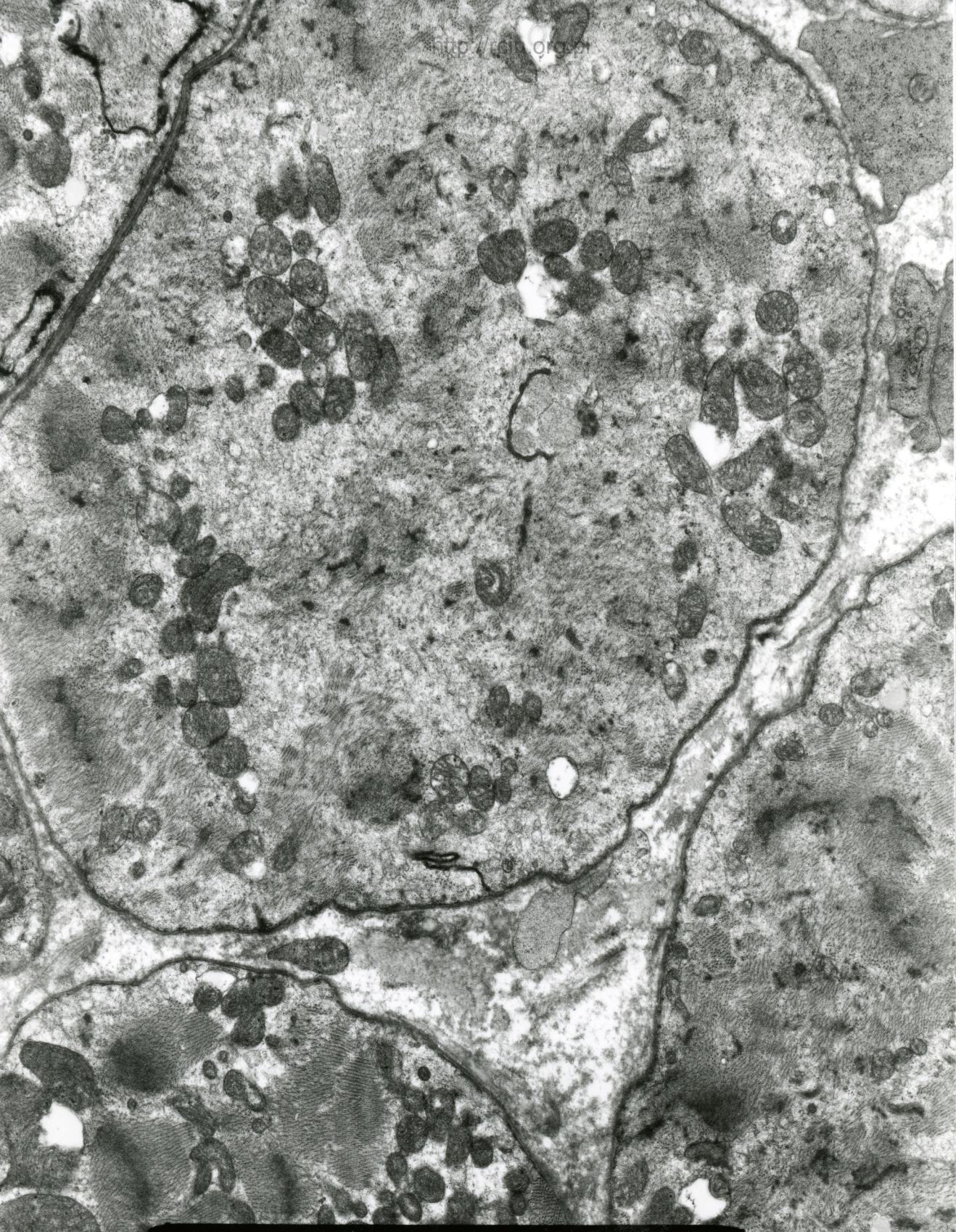

Fig. 9

Fig.10

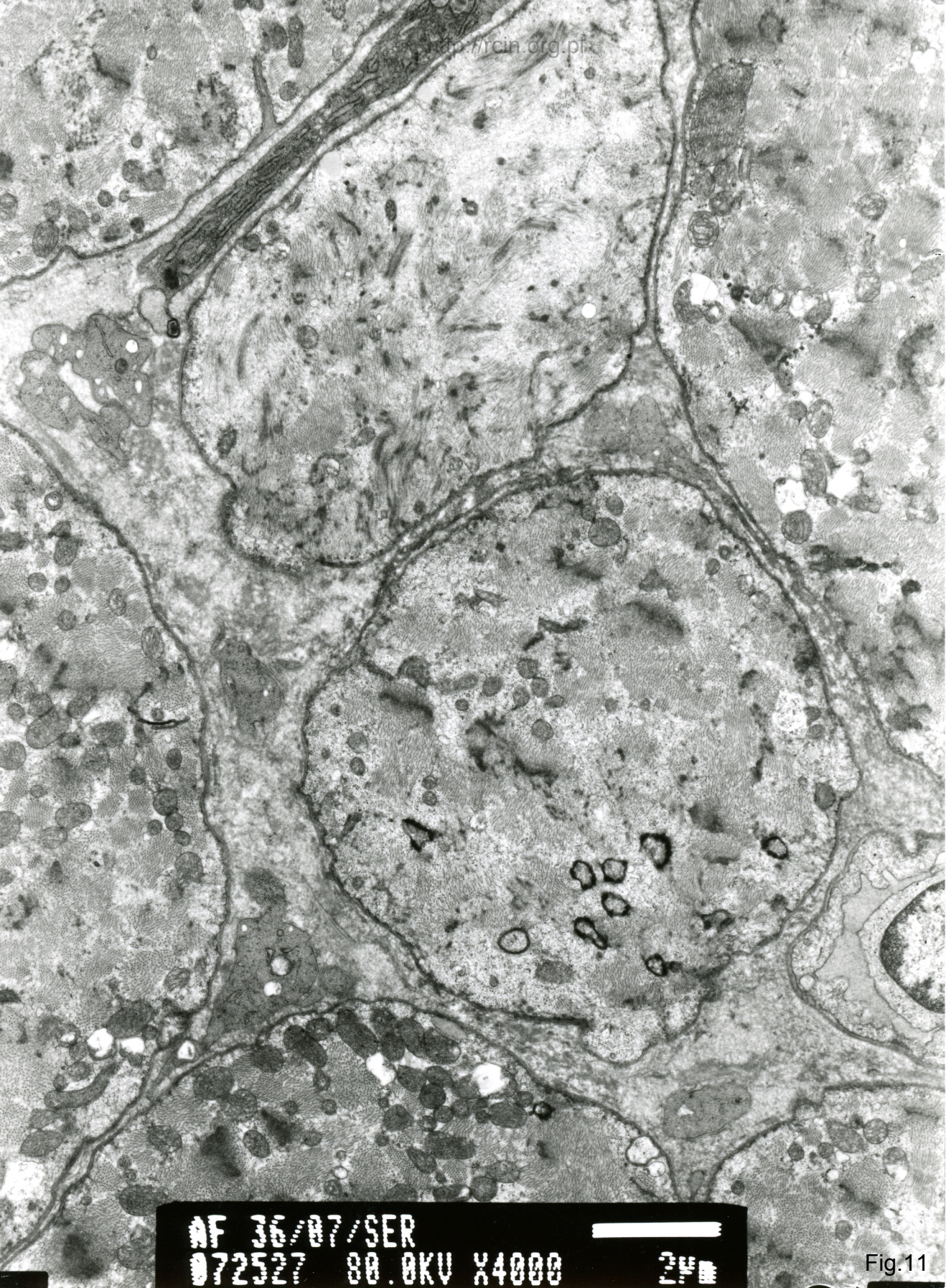

Fig.11

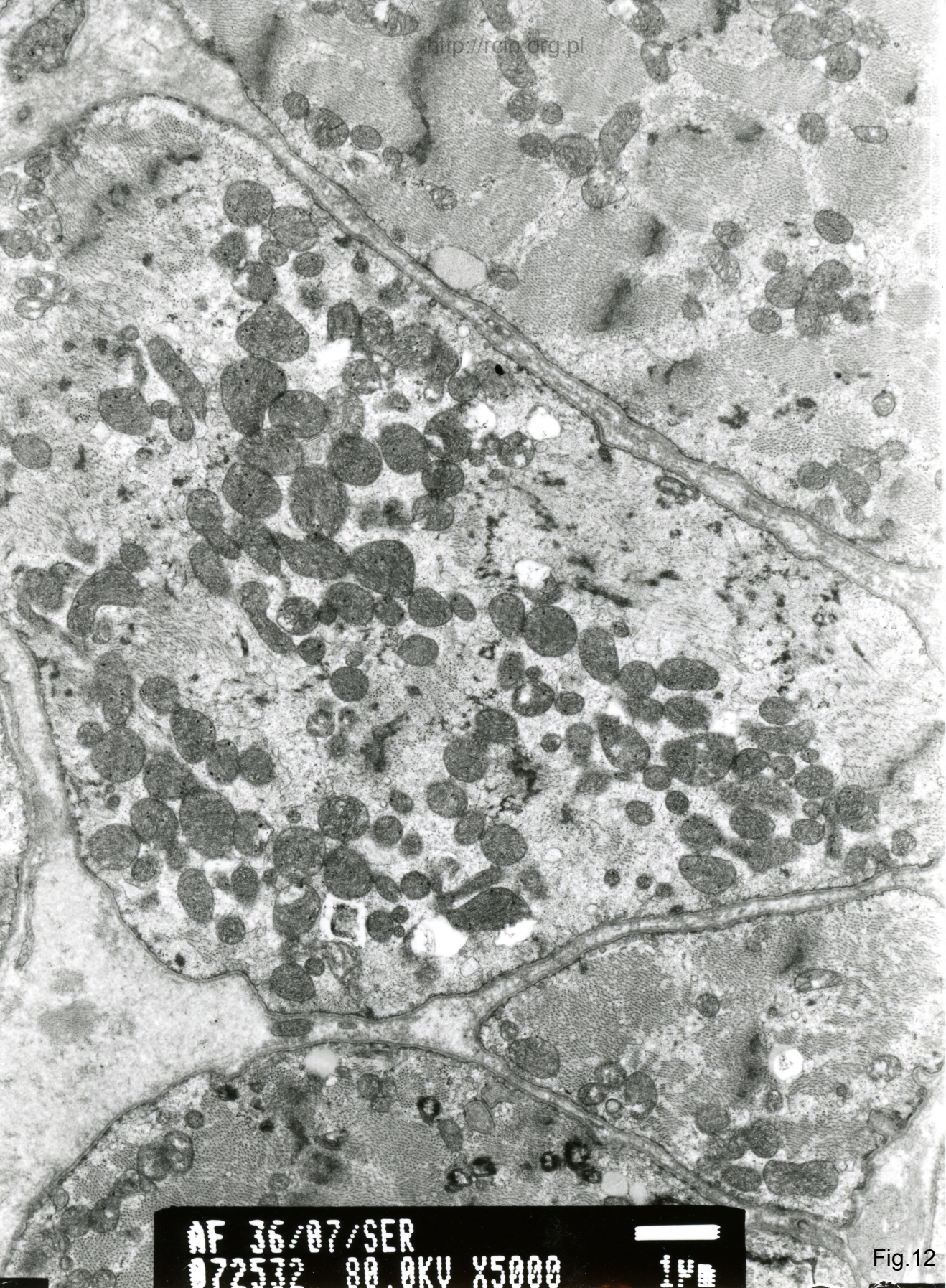

Fig.12

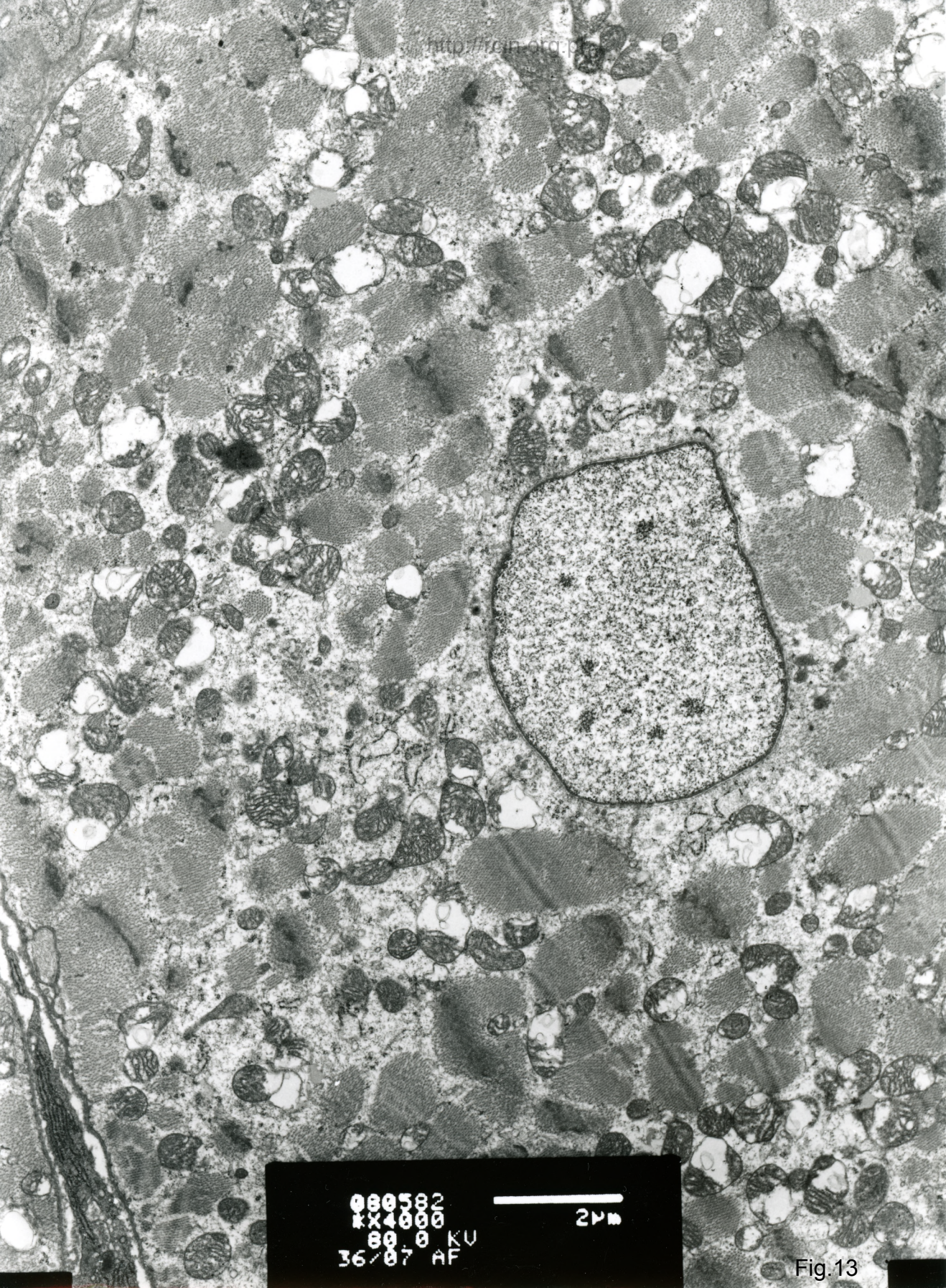

Fig.13

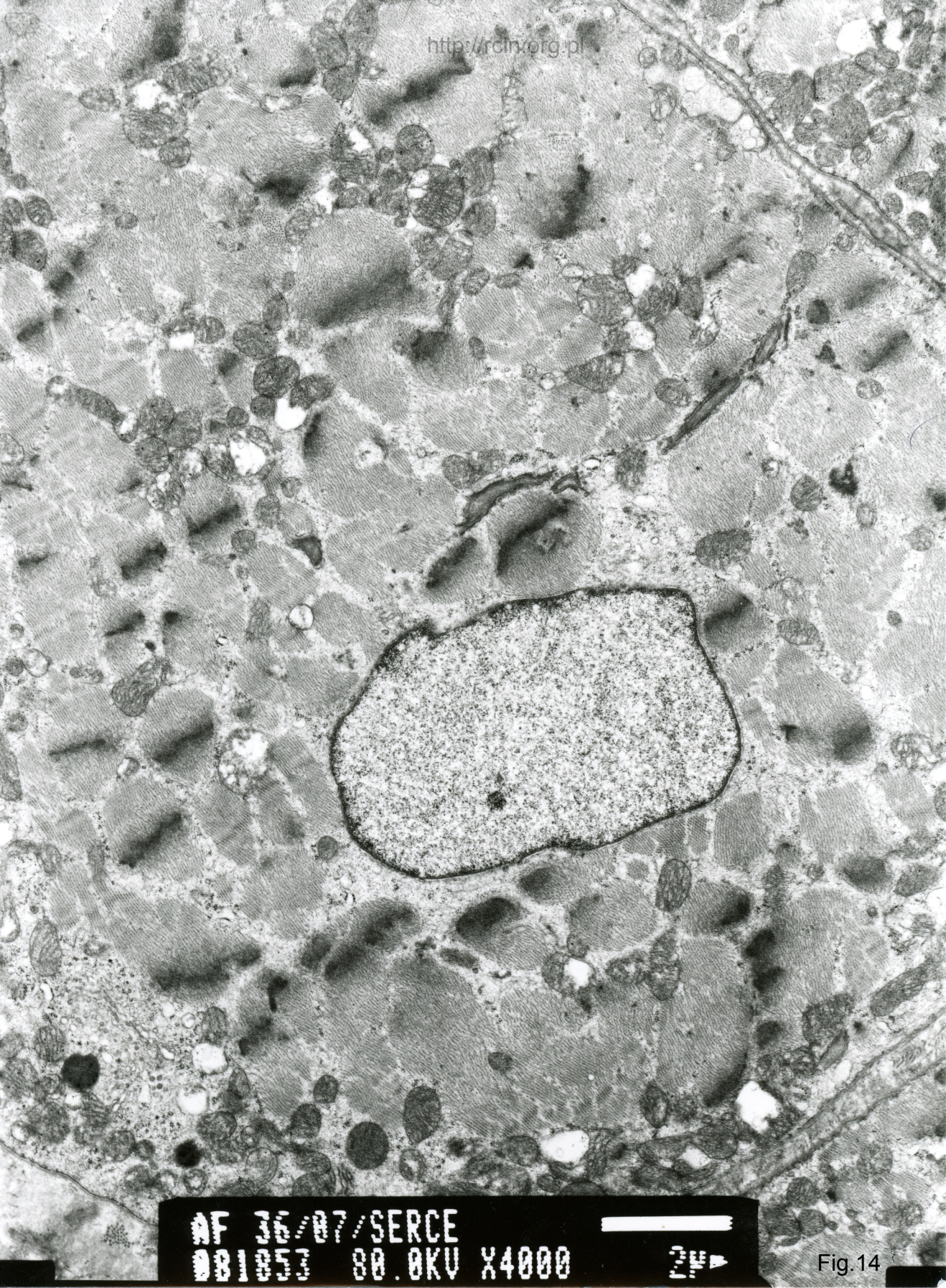

Fig.14

Fig.15

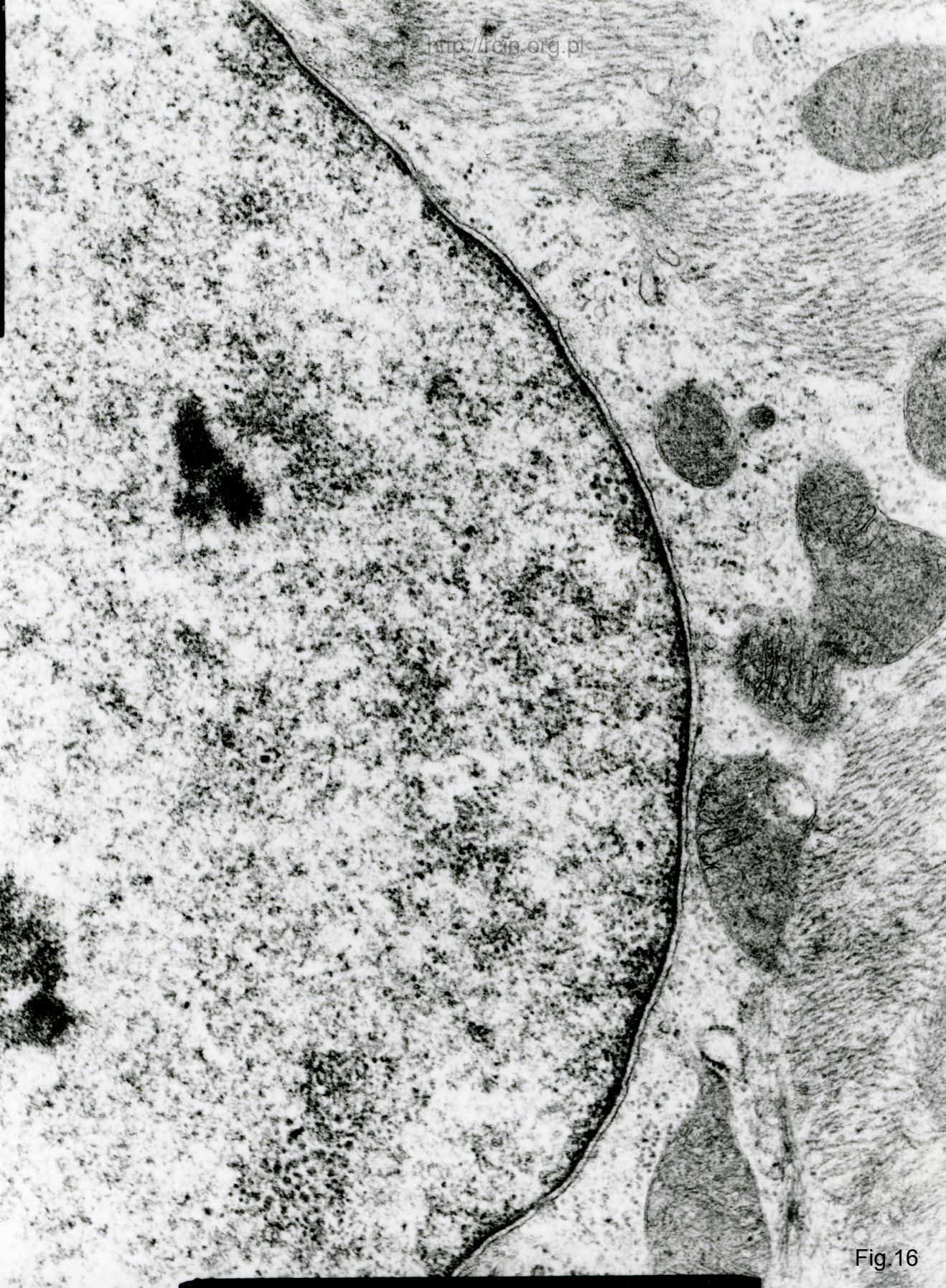

Fig.16

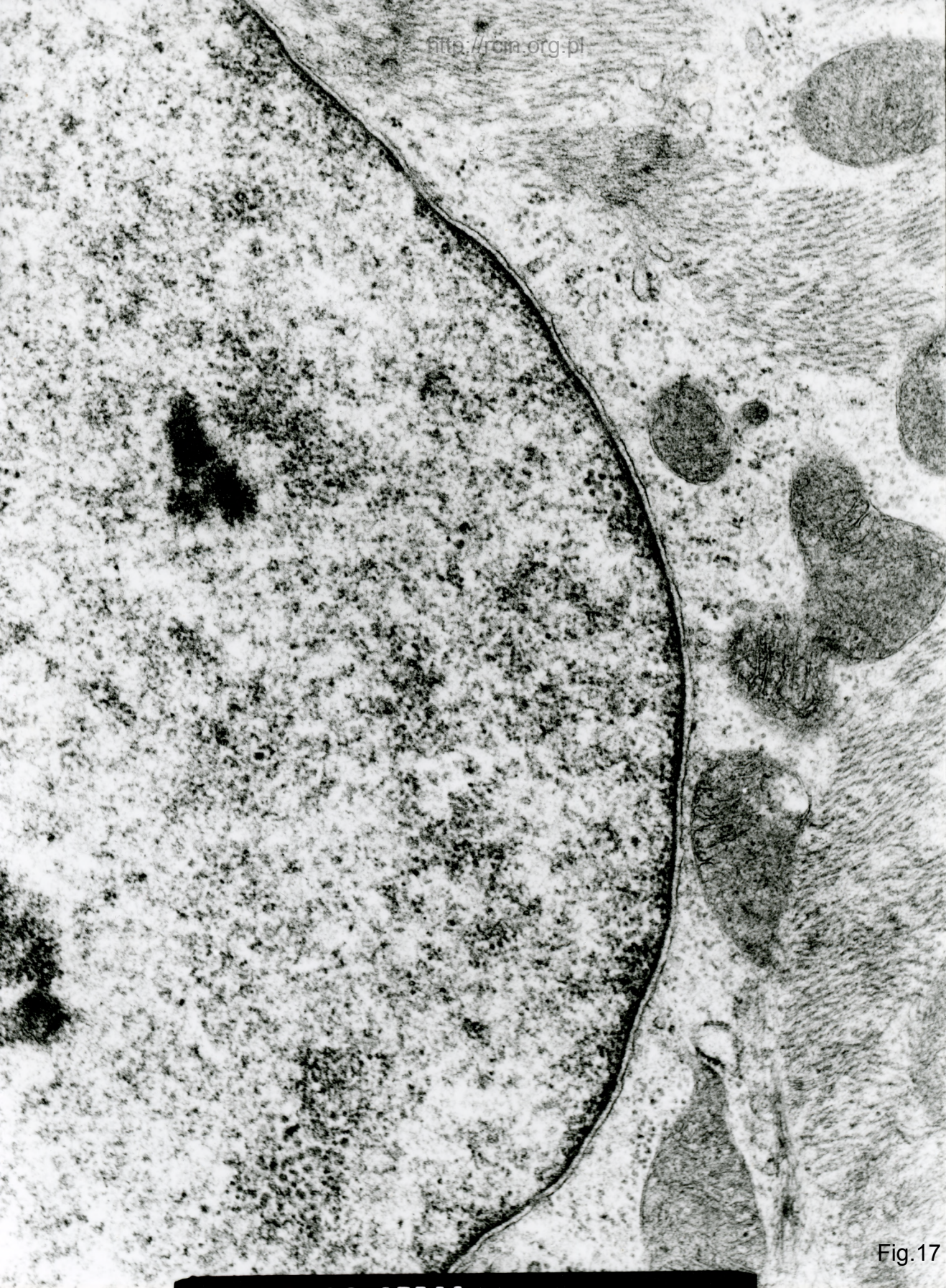

Fig.17

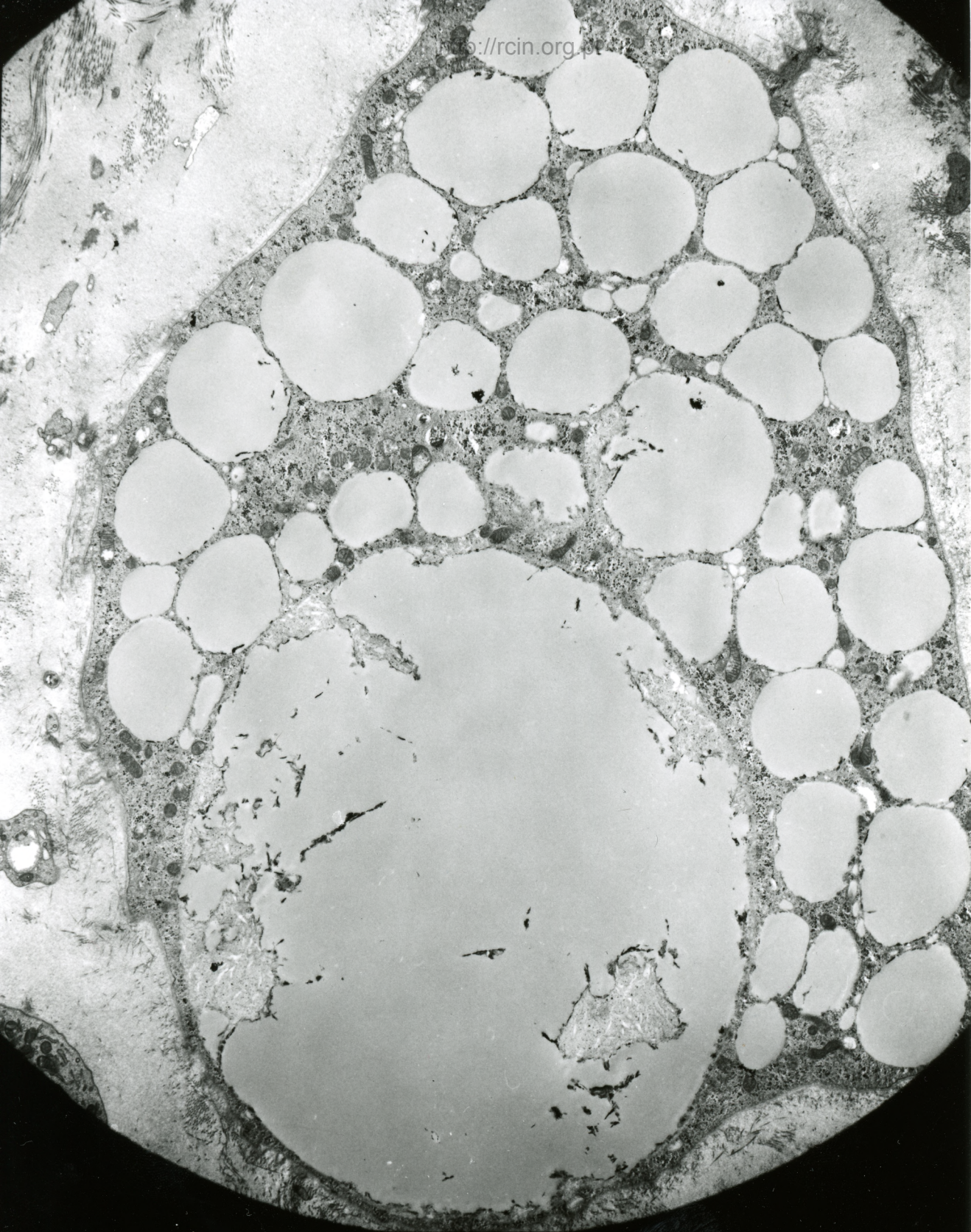

Fig.18

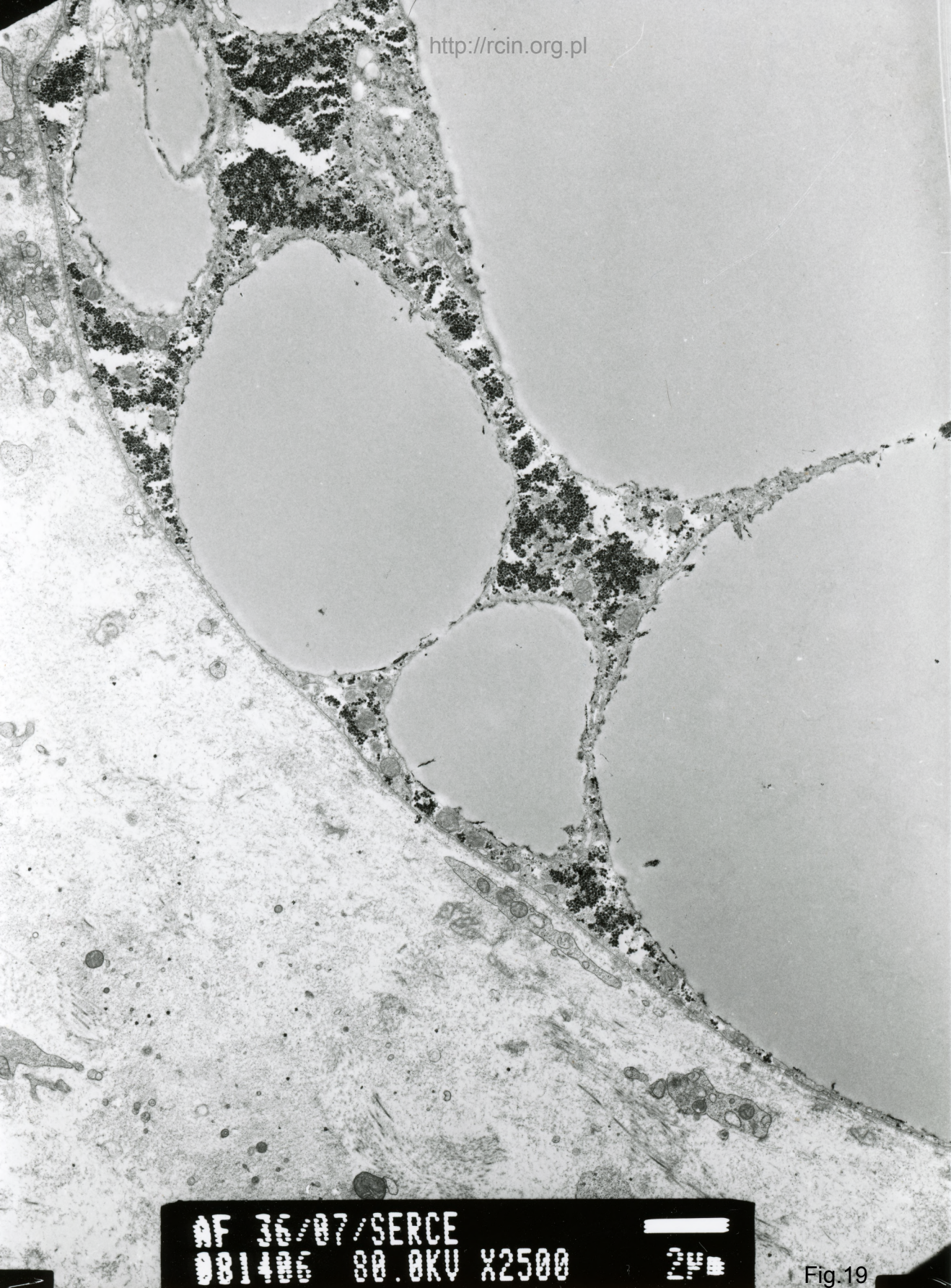

Fig.19

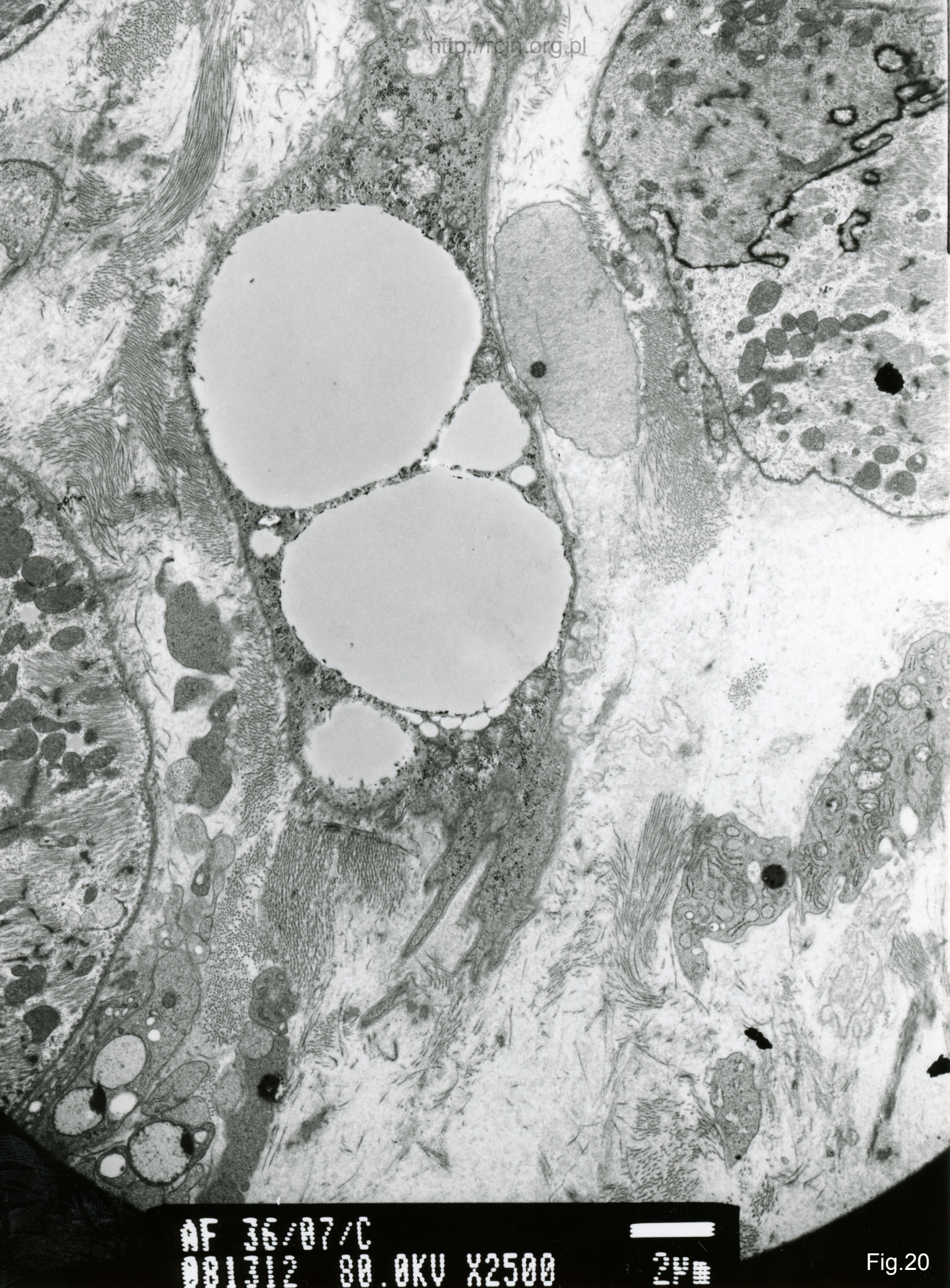

Fig.20

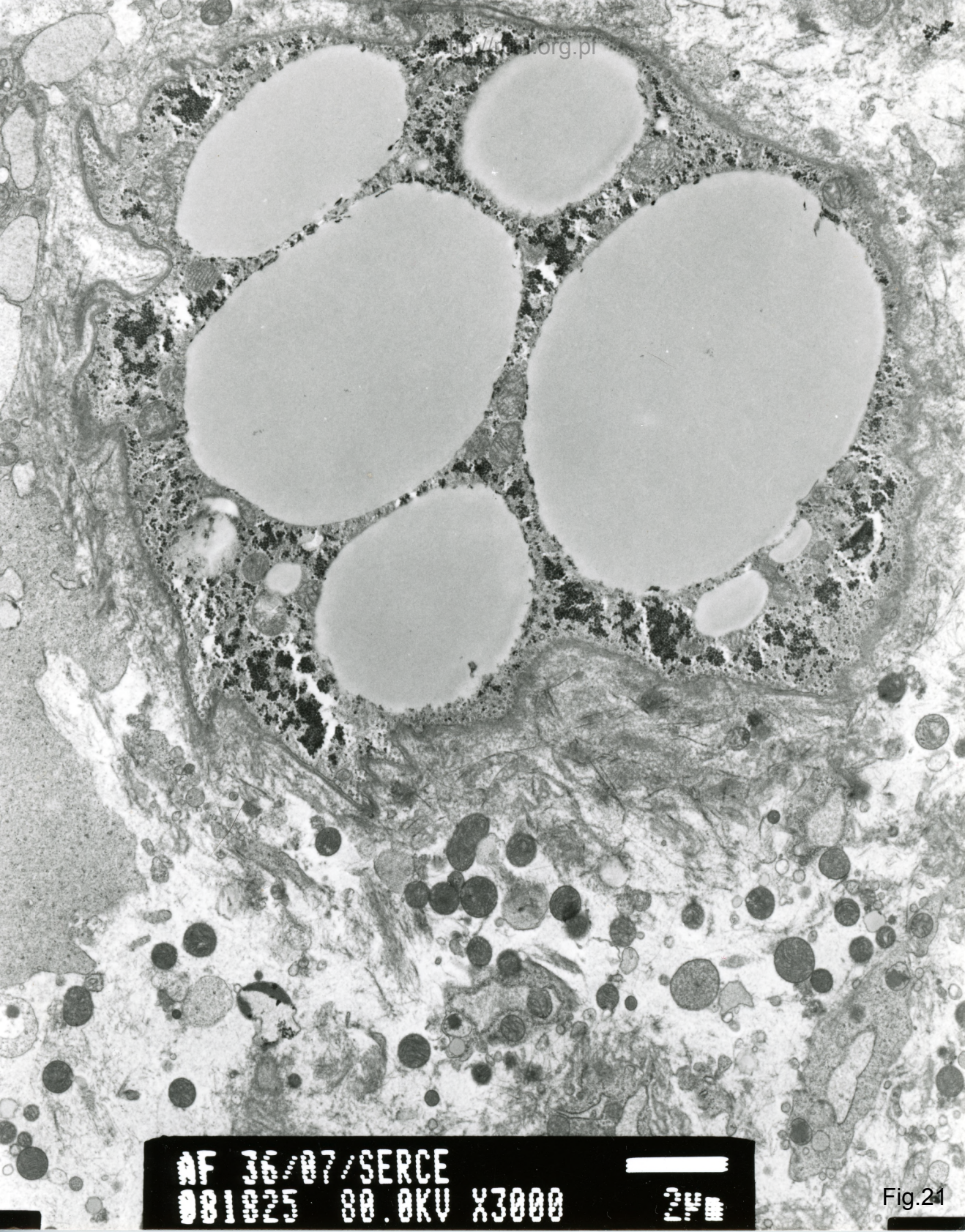

Fig.21

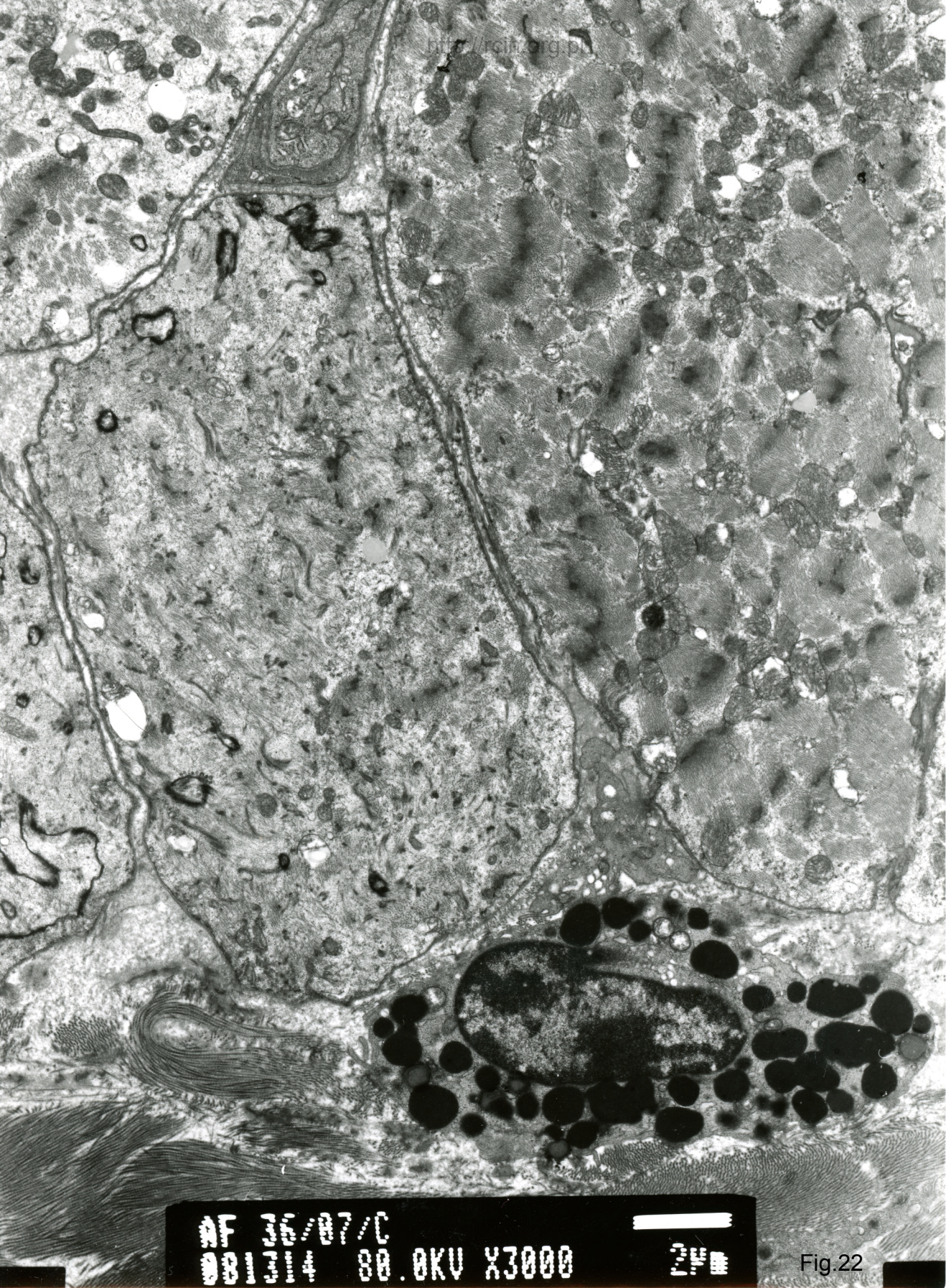

Fig.22

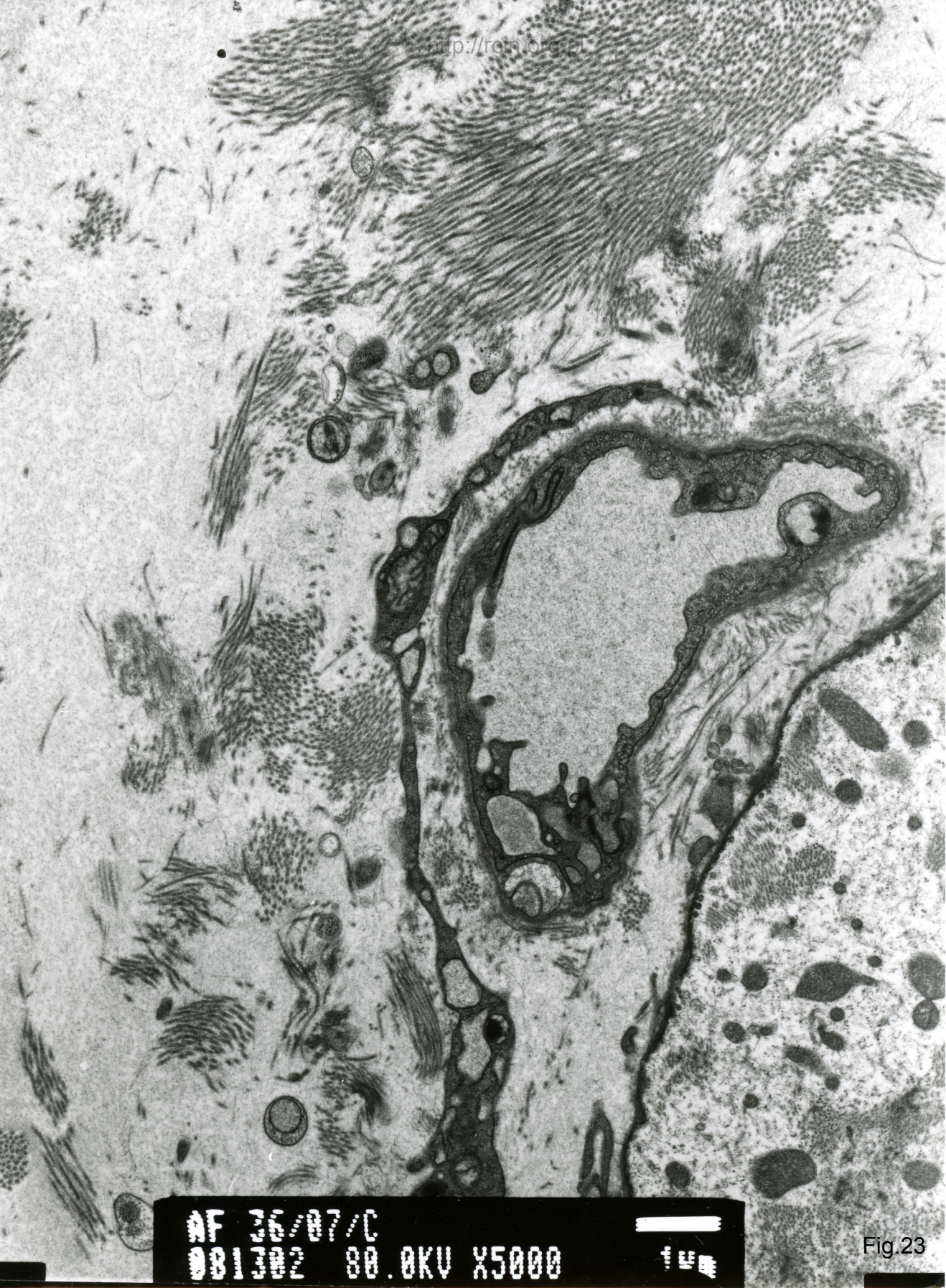

Fig.23

Fig.24

Fig.25

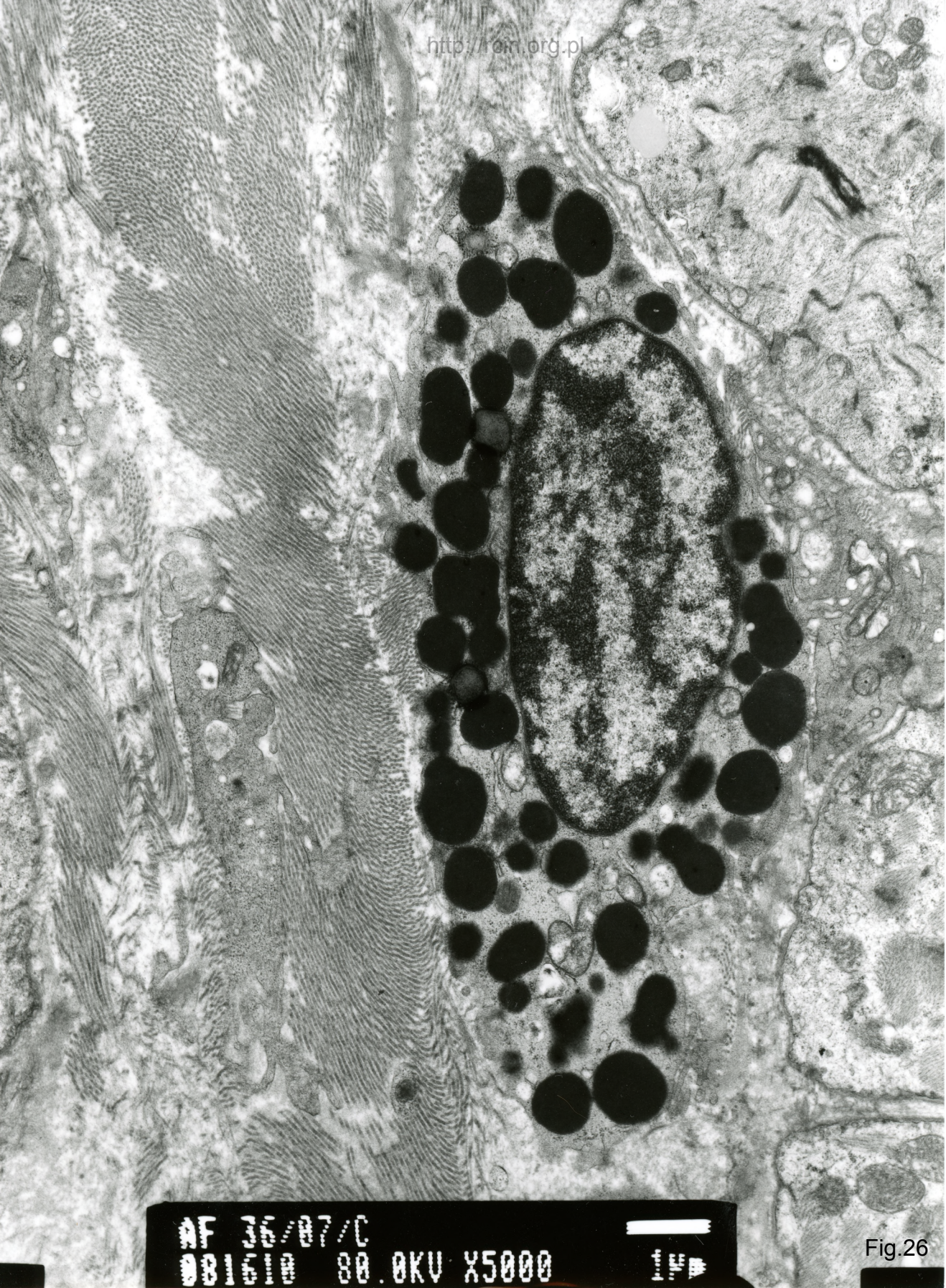

Fig.26

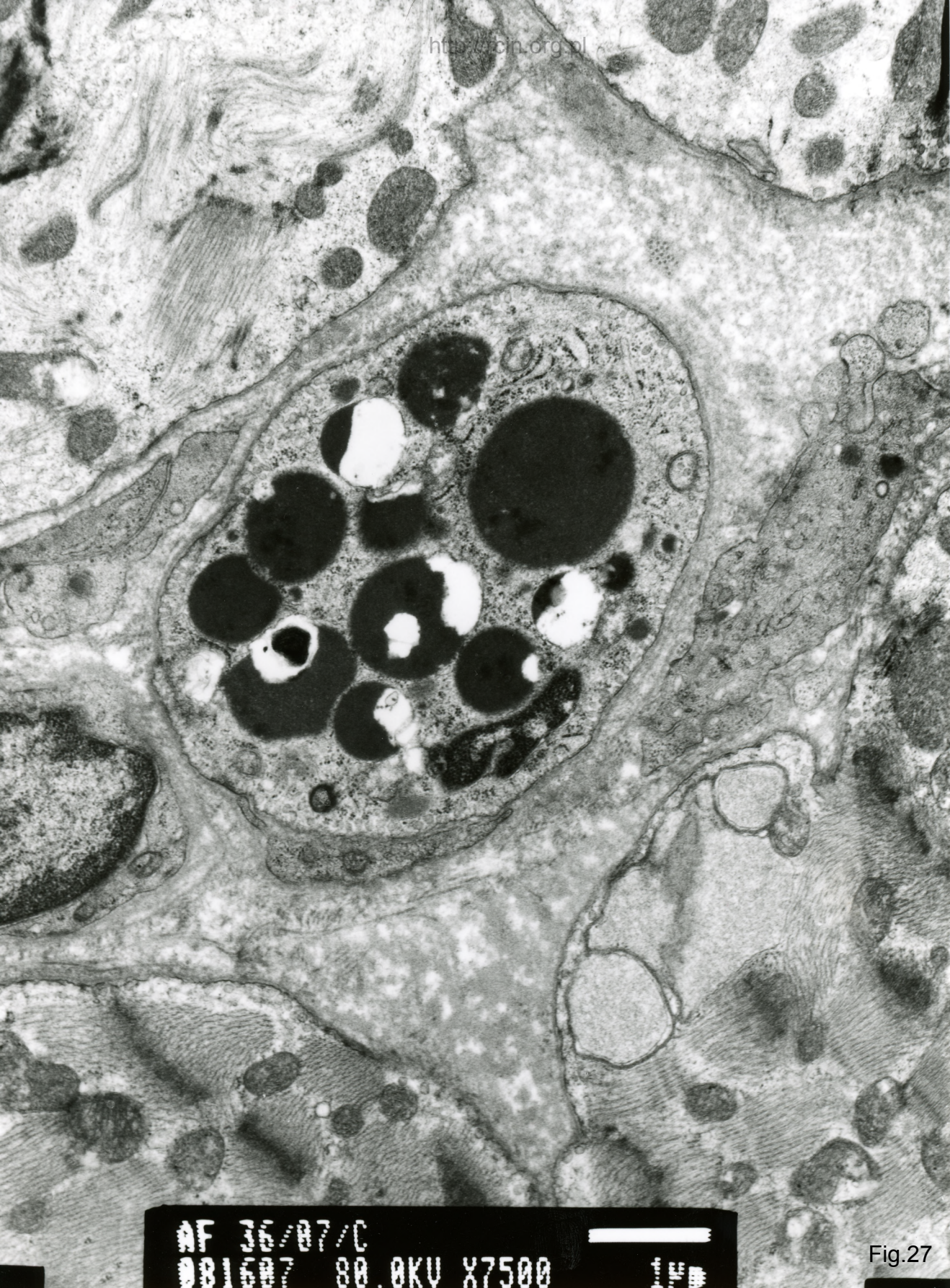

Fig.27

36/07

Rozpoznanie: kardiomiopatia popołogowa

Analiza ultrastrukturalna wykazała zmiany aparacie kurczliwym kardiomiocytów. Struktura sarkomerów była zatarta, obserwowano też zaburzenia w układzie miofibryli, miejscowo ich rozproszenie, a nawet zanik (Fig. 1-12). Obserwowano prawidłowe jądra komórkowe, natomiast część mitochondriów charakteryzowała się ubytkiem grzebieni mitochondrialnych (Fig. 13-17). W bioptacie obecne były liczne krople tłuszczu różnej wielkości (Fig. 18-21). Przestrzeń zewnątrzkomórkowa wypełniona była obfitą tkanką łączną, obecne były też komórki układu odpornościowego, przede wszystkim komórki tuczne (Fig. 22-27).

Heart biopsy from patient with postpartum cardiomyopathy was taken and examined.

Ultrastructural analysis revealed changes in the contractile apparatus of cardiomyocytes. The structure of sarcomeres was blurred and myofibrils were disorganized and scattered (Figs. 1-12). Normal cell nuclei were observed, whereas some mitochondria were characterized by loss of mitochondrial cristae (Figs. 13-17). Numerous fat droplets of various sizes were present in the biopsy (Figs. 18-21). The extracellular space was filled with abundant connective tissue and immune cells, mainly mast cells, were observed (Figs. 22-27).