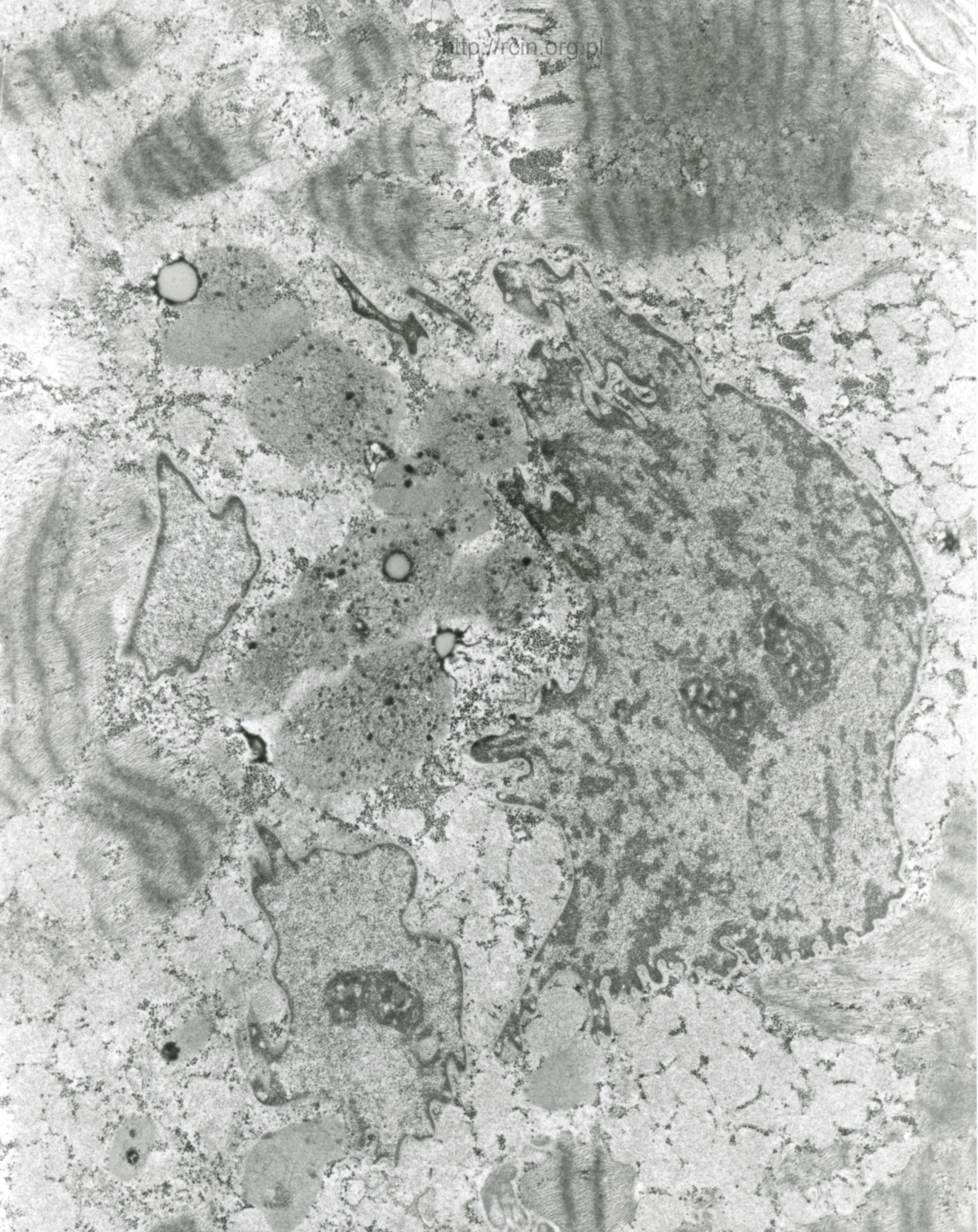


AF 21/84 / 197
498855 88 BKU 182588 24

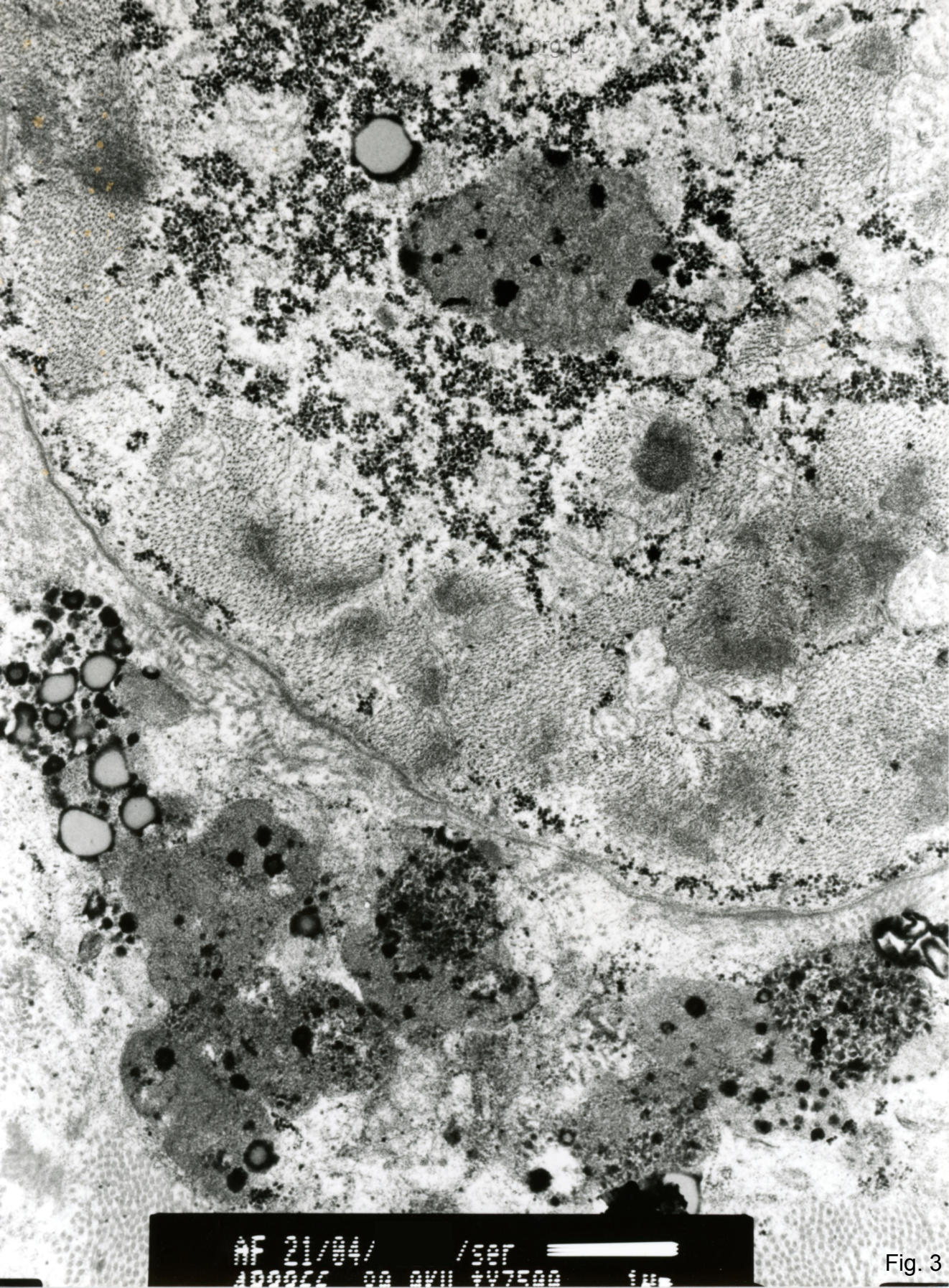
Fig. 1



AF 21/04/serce
4R8799 80.0KV 1X4000 2µm

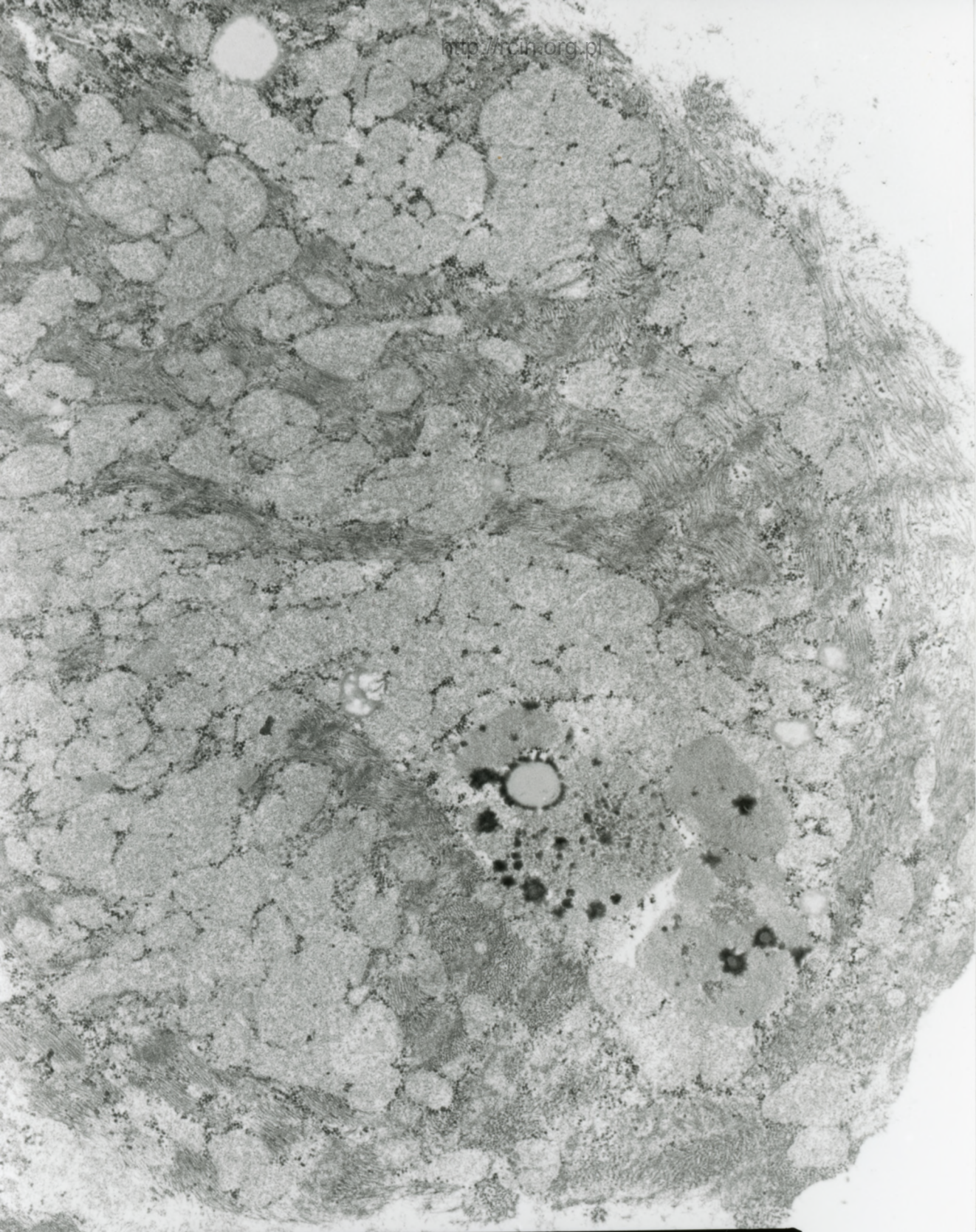
Fig. 2

DRG 101



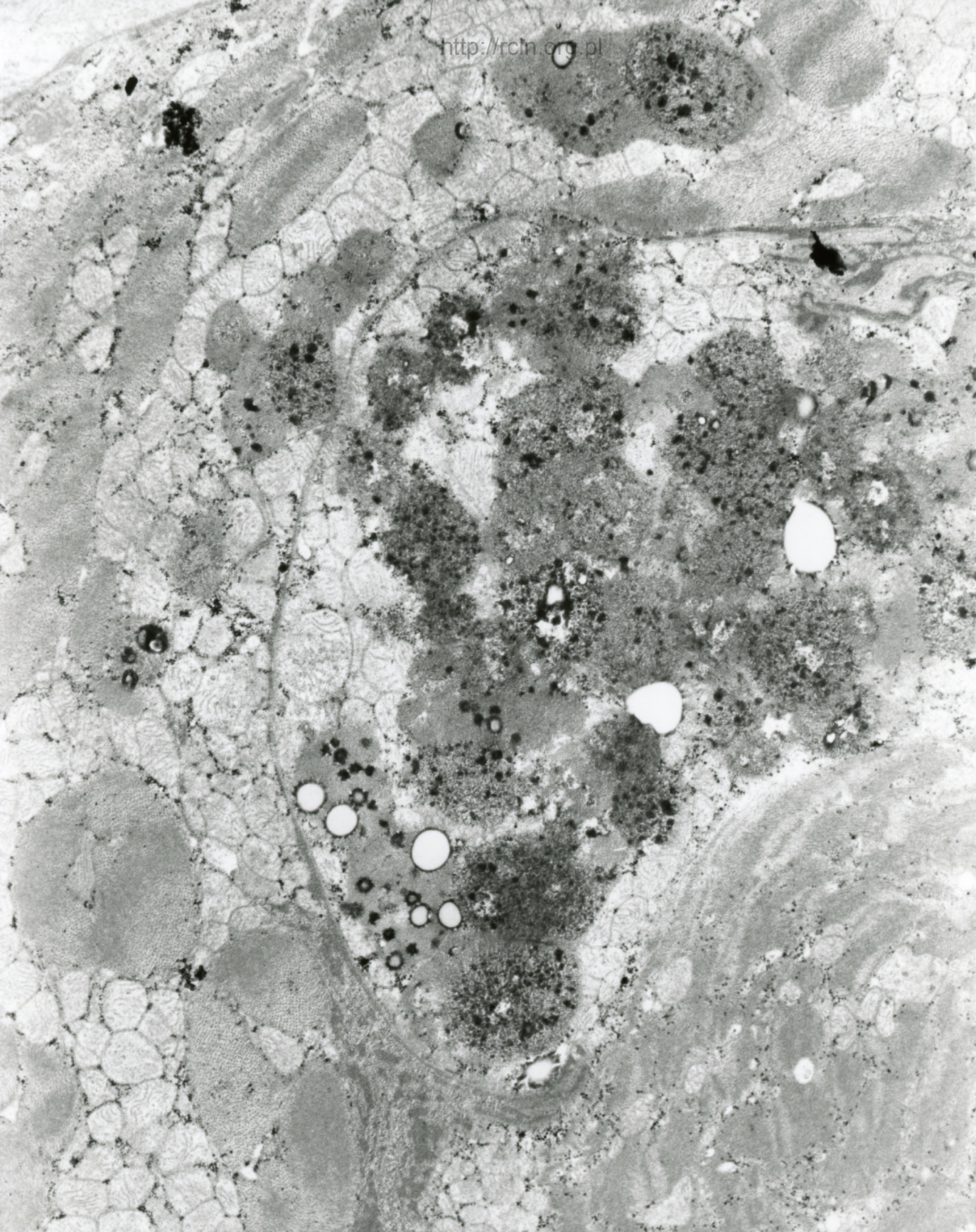
MF 21/04/ /39T
APR 22 09 04 1975 145

Fig. 3



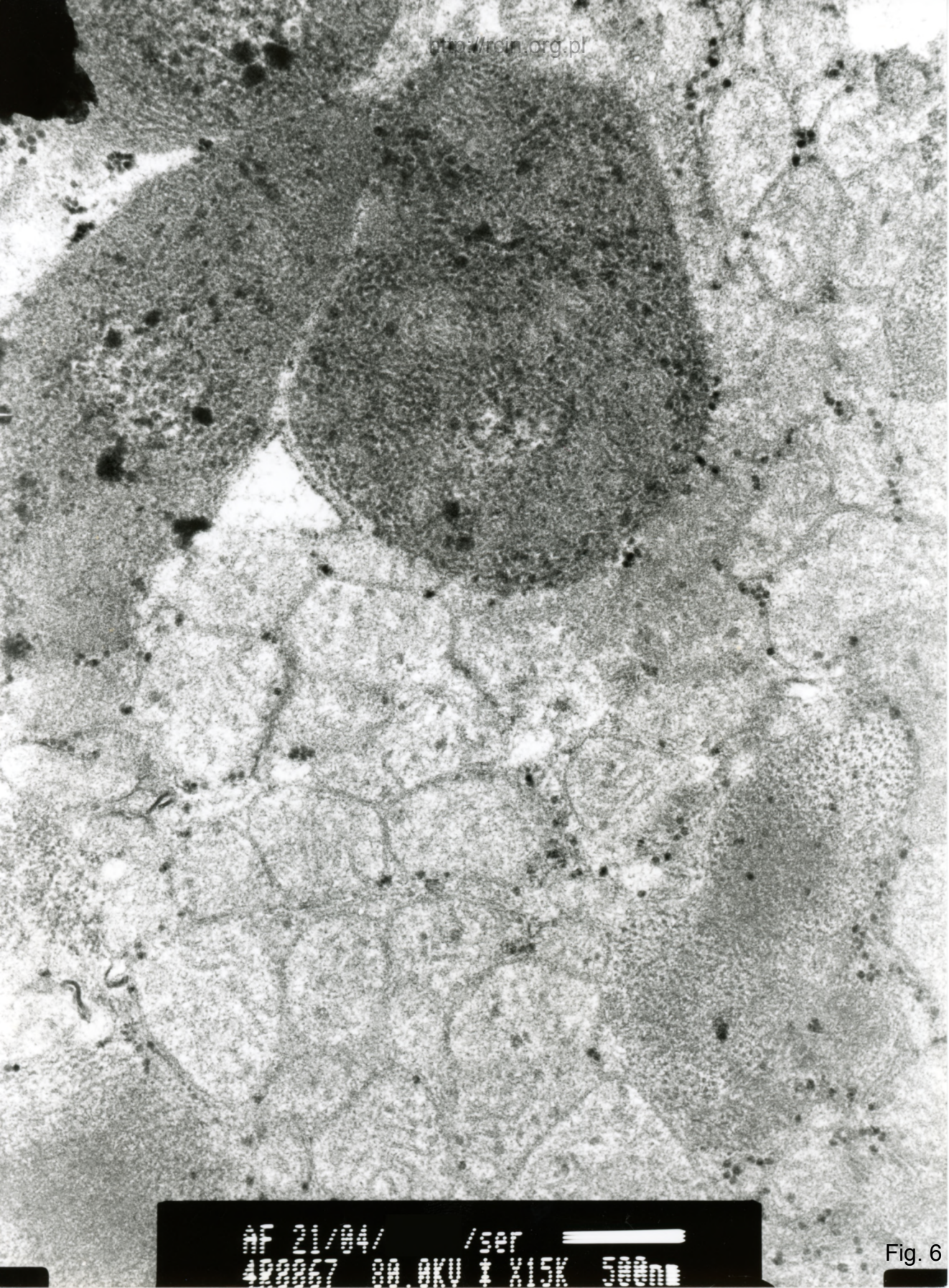
AF 21/04/serce
400000 80.0KV X6000 1µm

Fig. 4



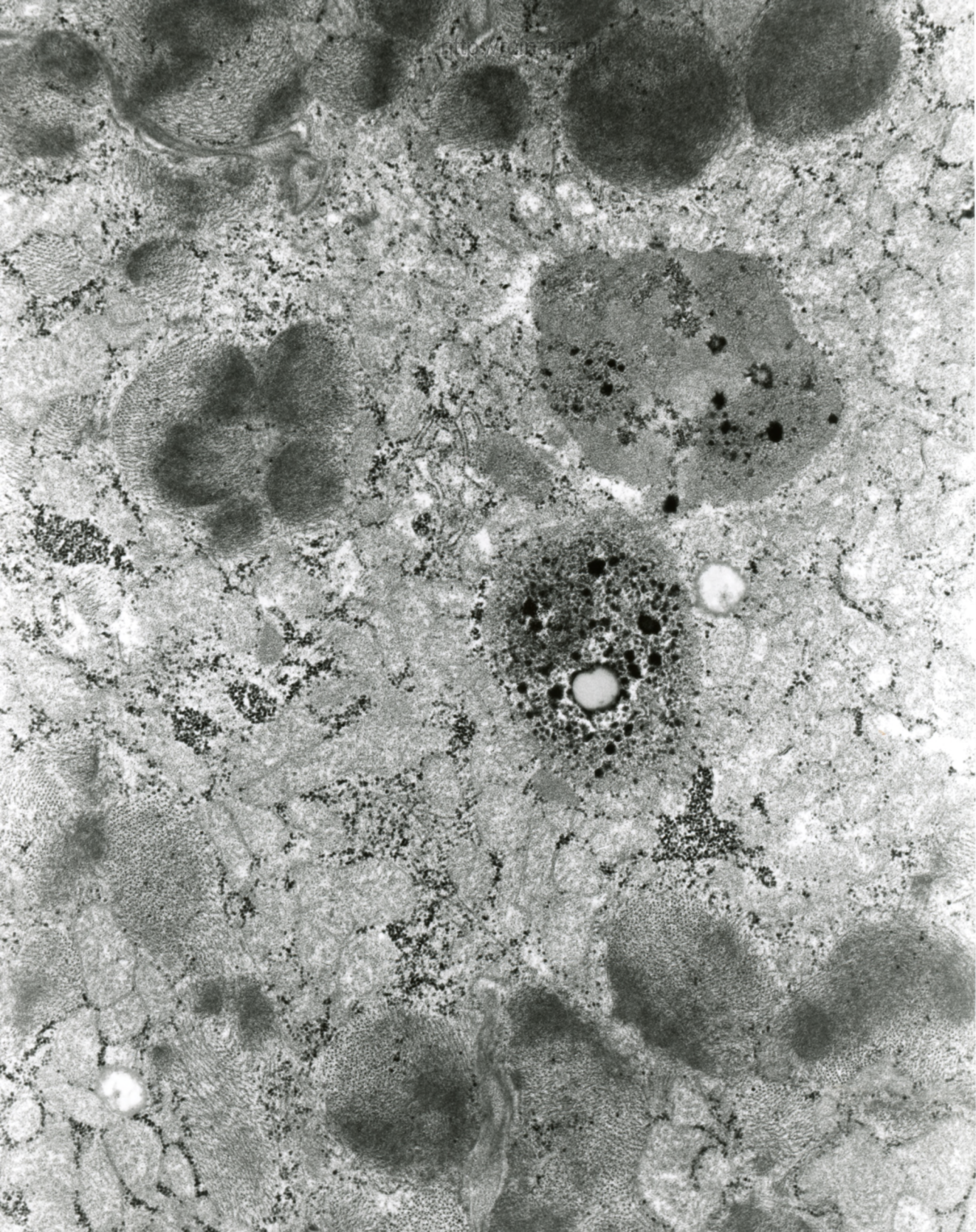
AF 21/04/ /201
498861 80 kV 125000 15µm

Fig. 5



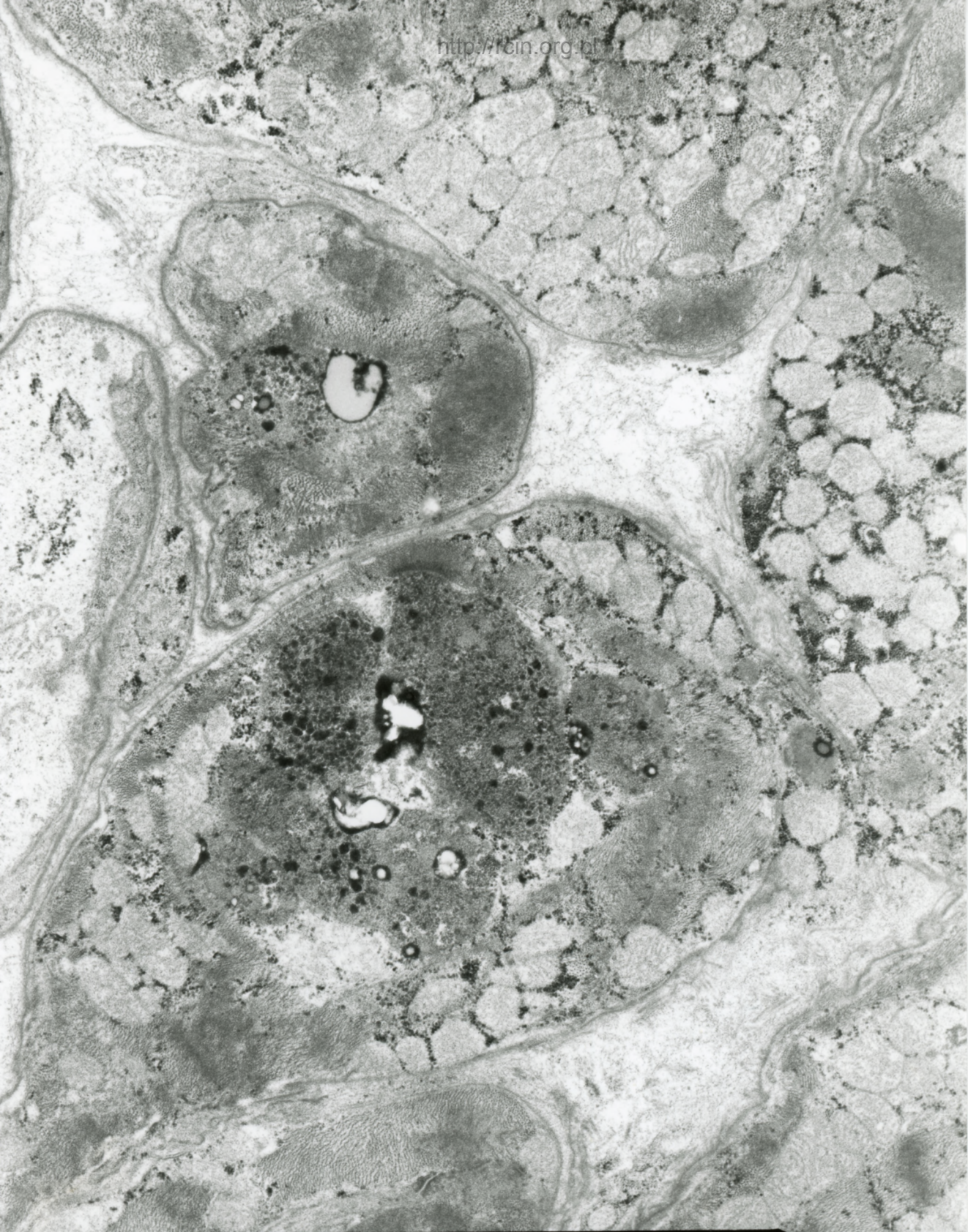
AF 21/04/ /ser
422267 80.0KV X15K 500nm

Fig. 6



AF 21/04/ /387
400054 30 0KV X6000 15

Fig. 7



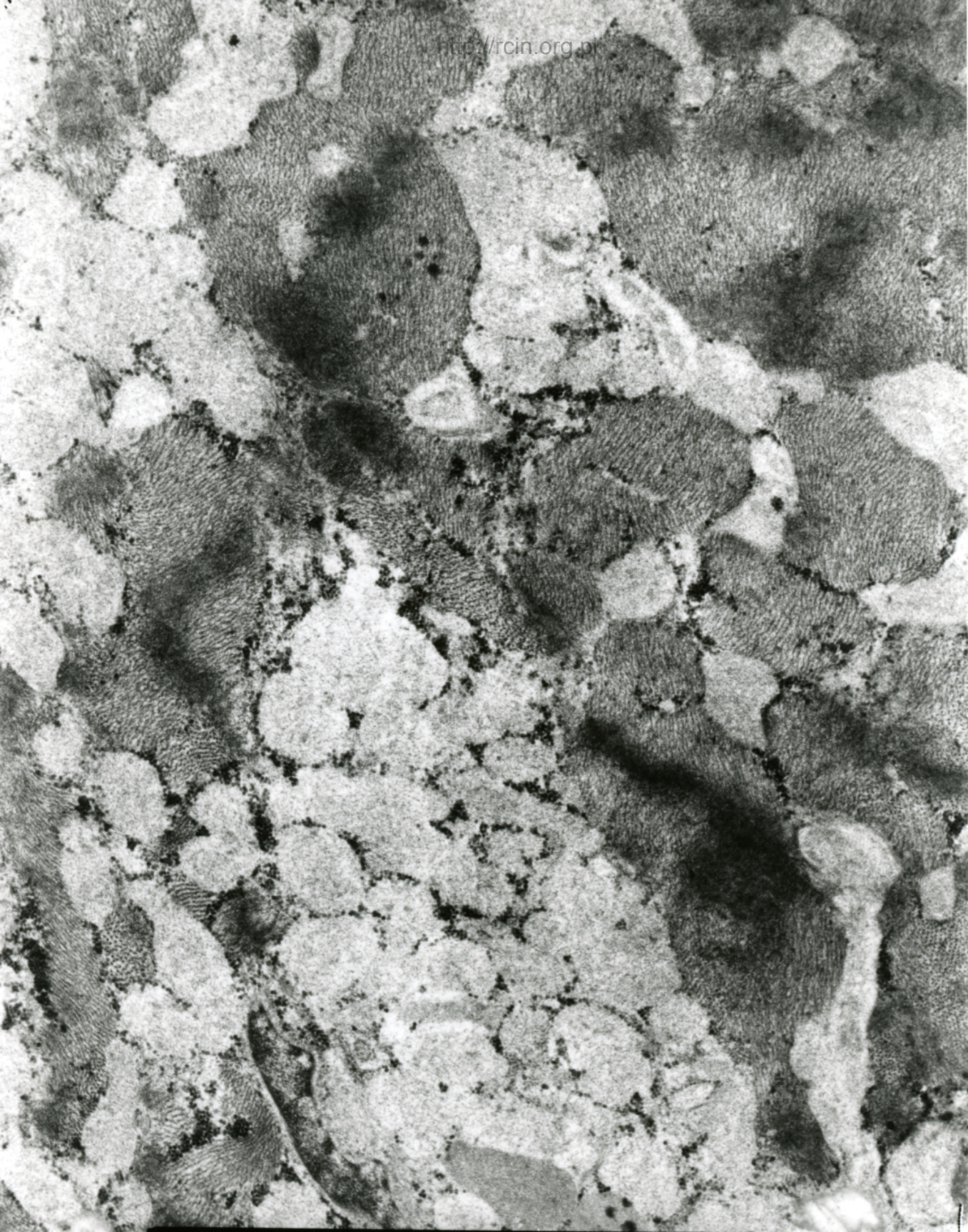
AF 21/04/serce
402796 00 AXII 1Y5000 1E

Fig. 8



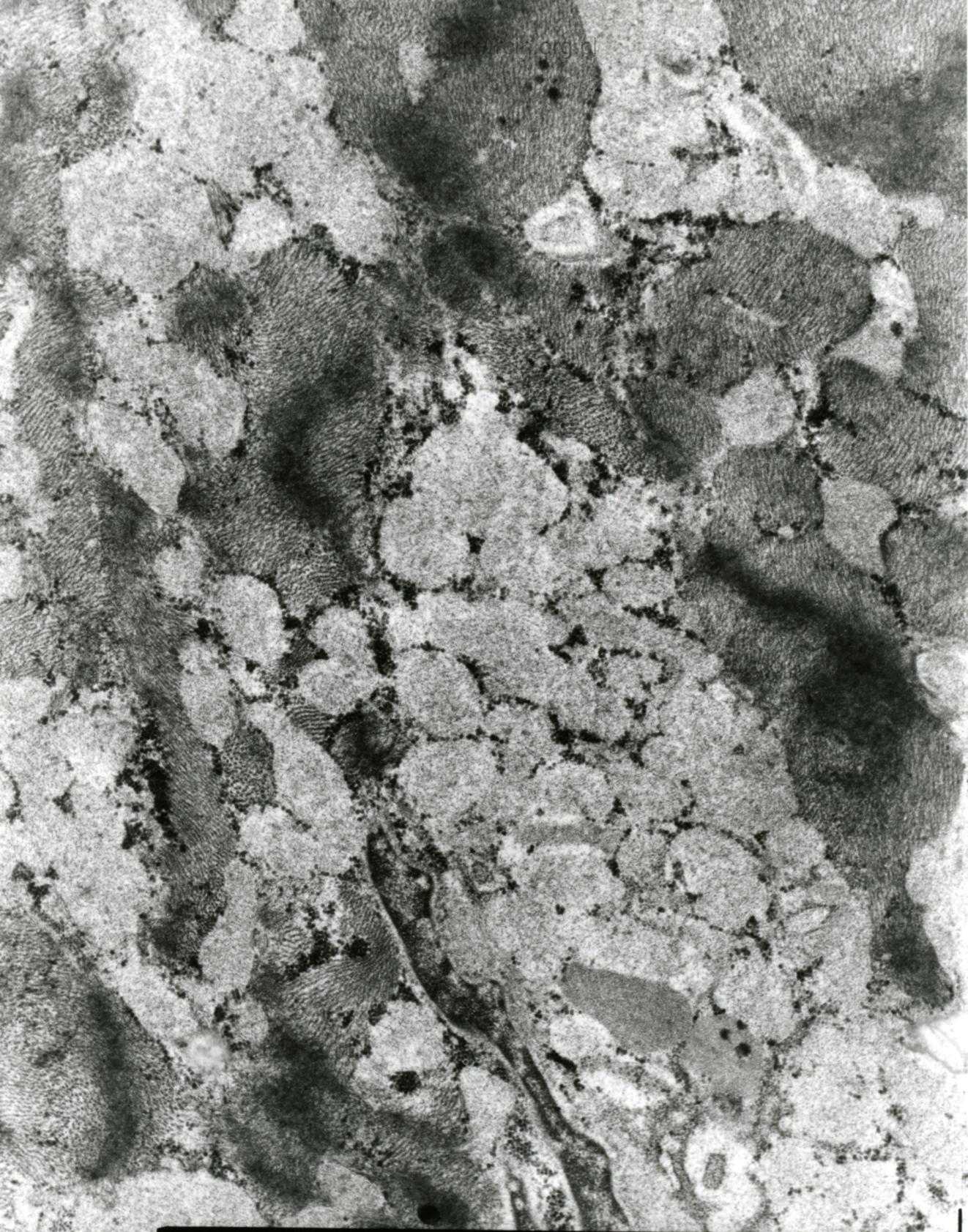
AF 21/04/serce
4R8768 80.0KV #X7500 1P

Fig. 9



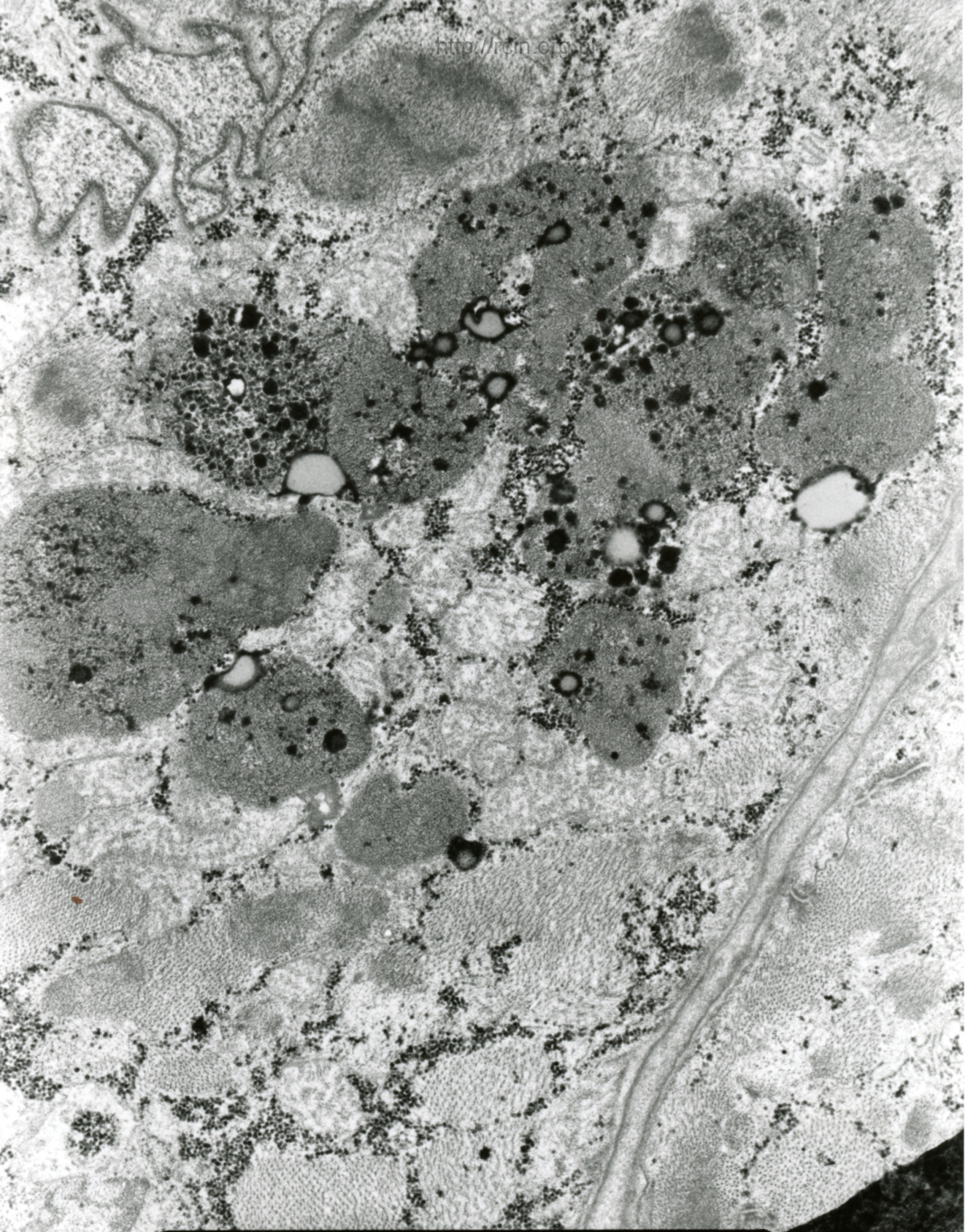
AF 21/04/serce
408767 80 AKU 1X7500 1P

Fig.10



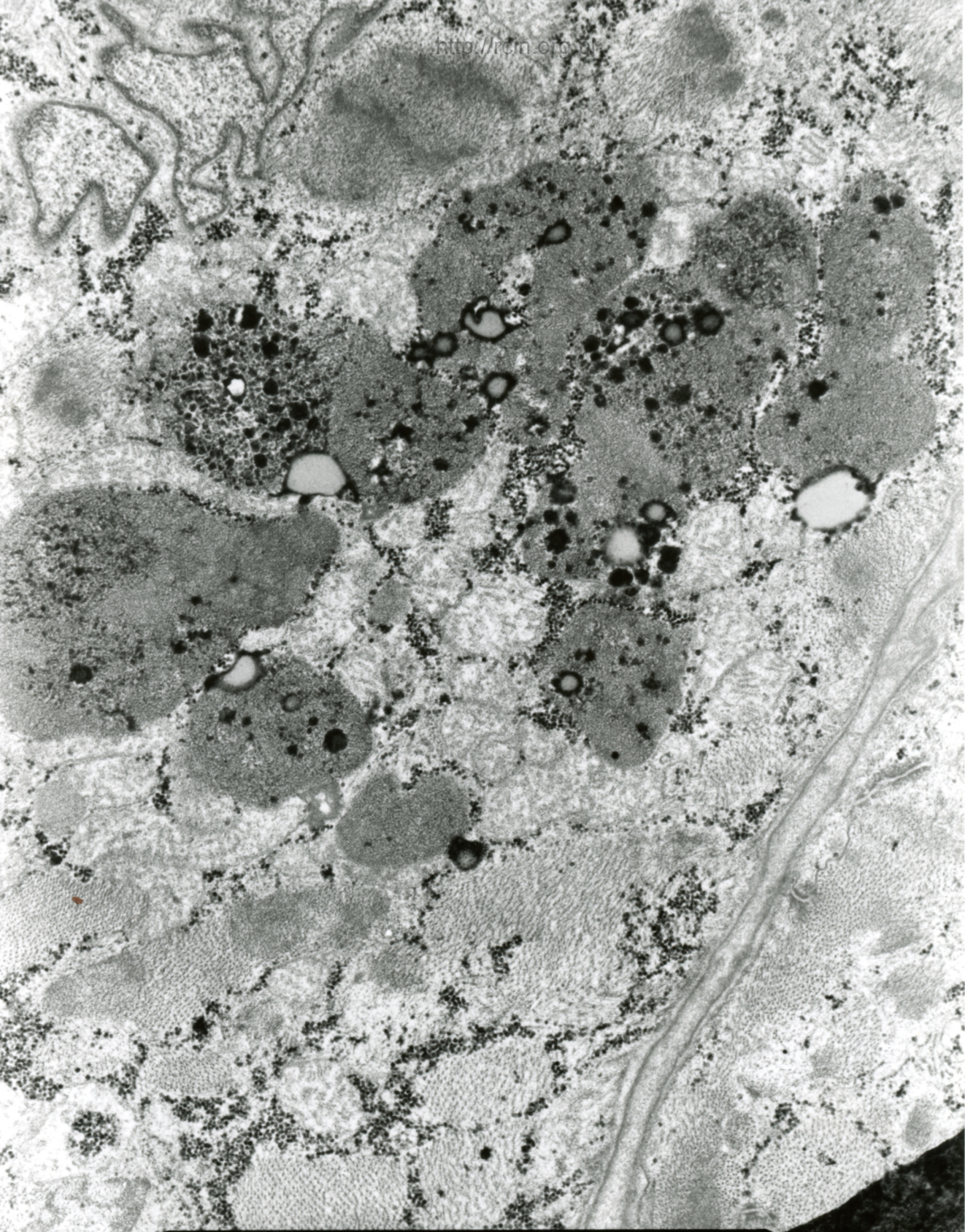
AF 21/84/serce
488769 8A AKU $\times 7500$ 1P

Fig.11



AF 21/04/ /set
492874 88 AKU 117500

Fig.12



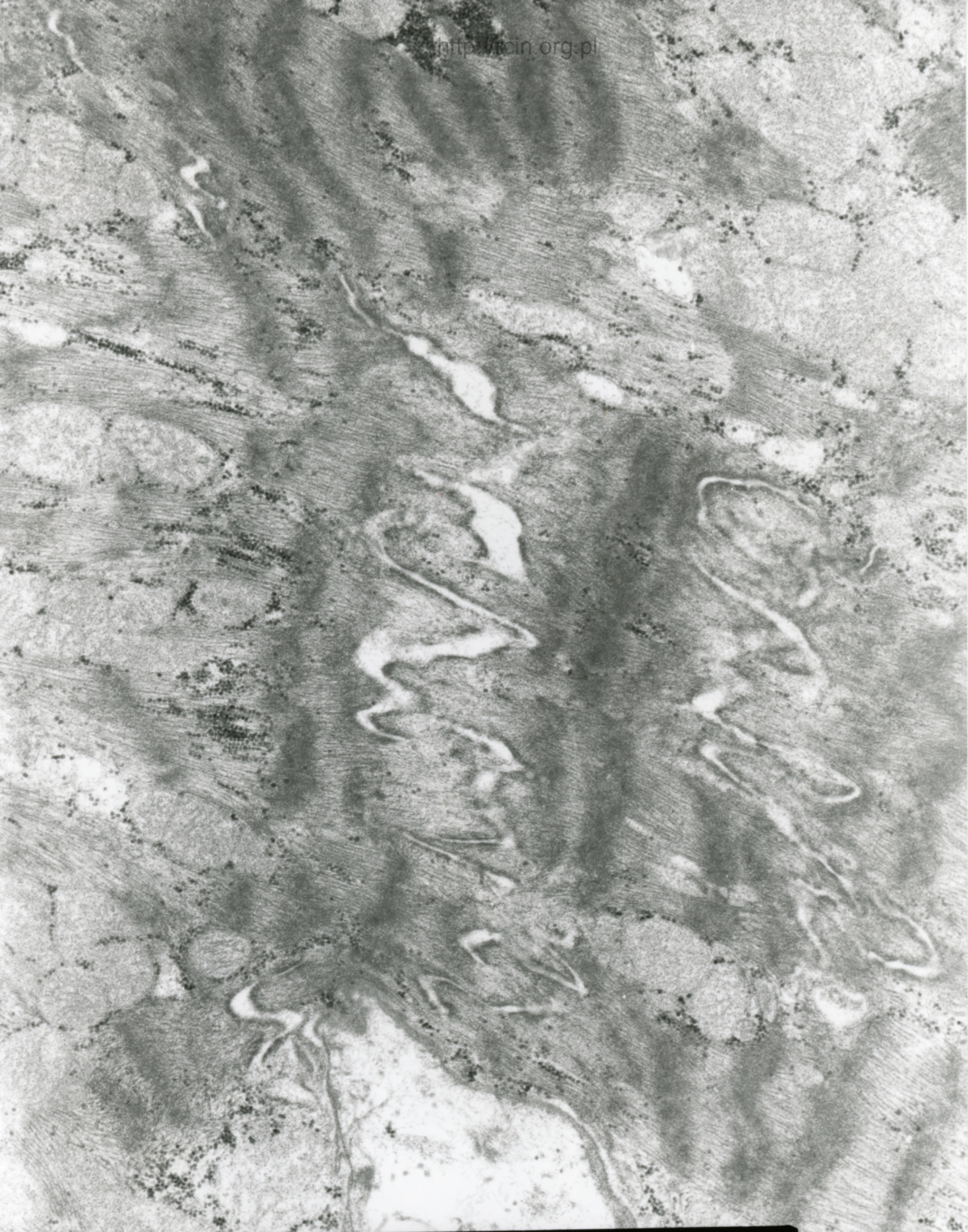
AF 21/04/.../SER
492274 80 AKU 117500 100

Fig.13



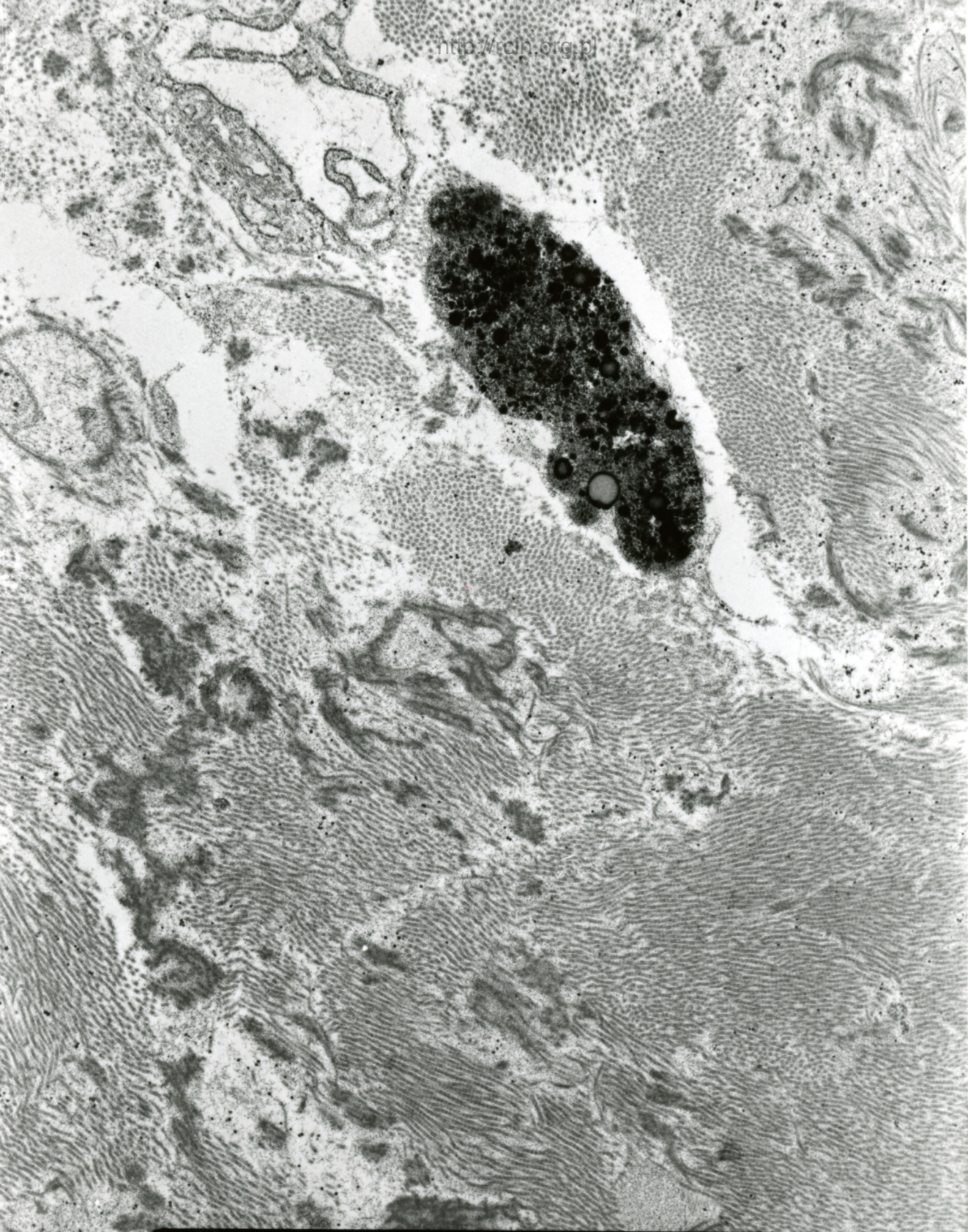
AF 21/04/ /ser
422271 80 AKU X X15K 500nm

Fig.14



AF 21/04/serce
400792 20 AXU 1X7500 1P0

Fig.15



AF 21/04 /397
422273 00 OKU X5000 14

Fig.16

21/04

1. 61

Kardiomiopatia

Analiza ultrastrukturalna wykazała nieregularny przebieg miofibrilli i dezorganizację sarkomerów (Fig. 1,2,3). Sarkoplazmę wypełniały licznie mitochondria o zatartej strukturze (Fig. 4-12) oraz lipofuscyny i lizosomy (Fig. 13,14). Połączenie między sąsiadującymi kardiomiocytami (dyski interkalarne) były znacznie poszerzone (Fig. 15). W poszerzonej przestrzeni zewnątrzkomórkowej licznie występowały włókienka kolagenu (Fig. 16).

Cardiomyopathy

Ultrastructural analysis revealed irregular myofibrils arrangement and sarcomere disorganization (Figs. 1,2,3). Numerous mitochondria characterized by blurred structure (Figs. 4-12) as well as lipofuscin deposits and lysosomes (Figs. 13,14) were observed in the sarcoplasm. The junctions between adjacent cardiomyocytes (intercalary discs) were significantly dilated (Fig. 15). Abundant collagen fibrils were seen in the expanded extracellular space (Fig. 16).