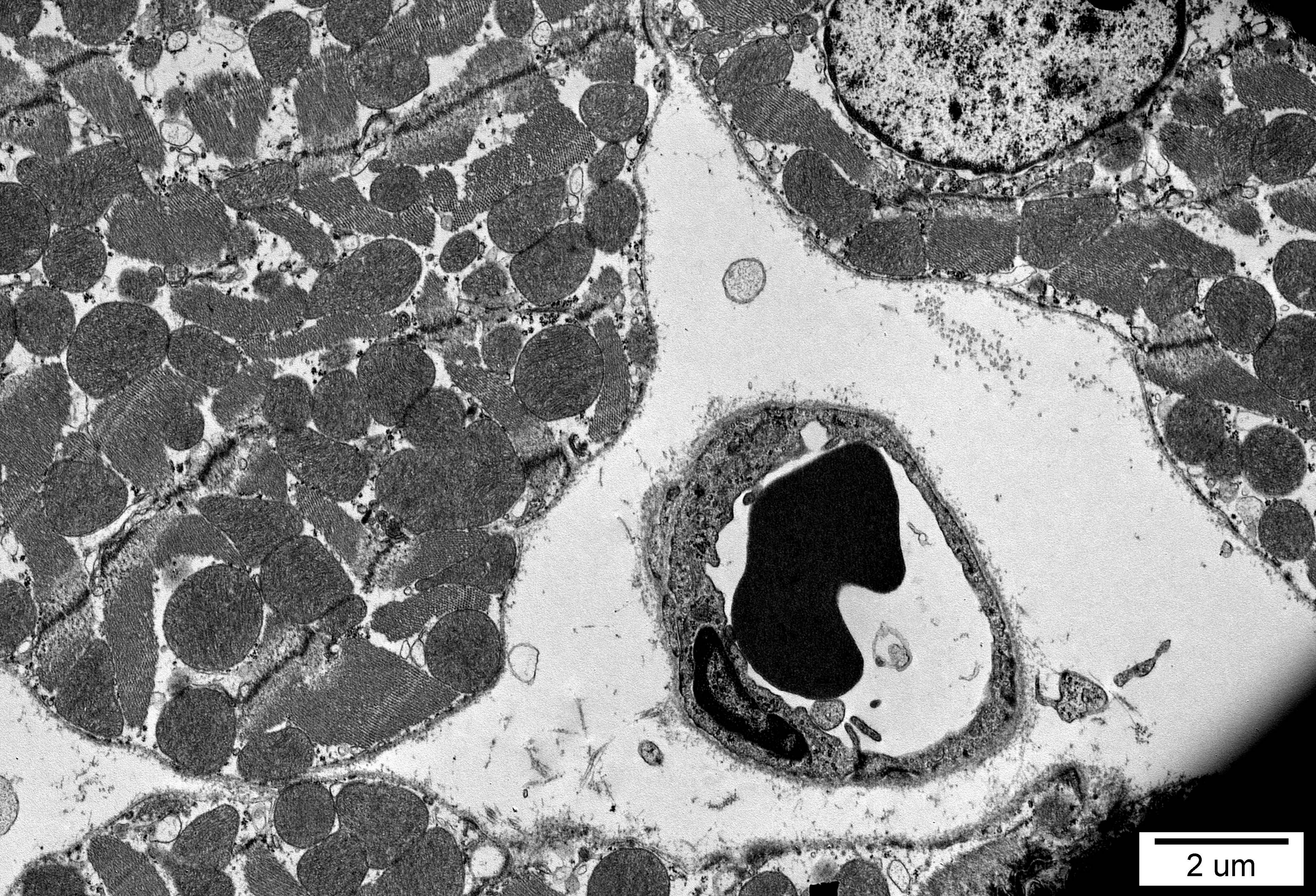
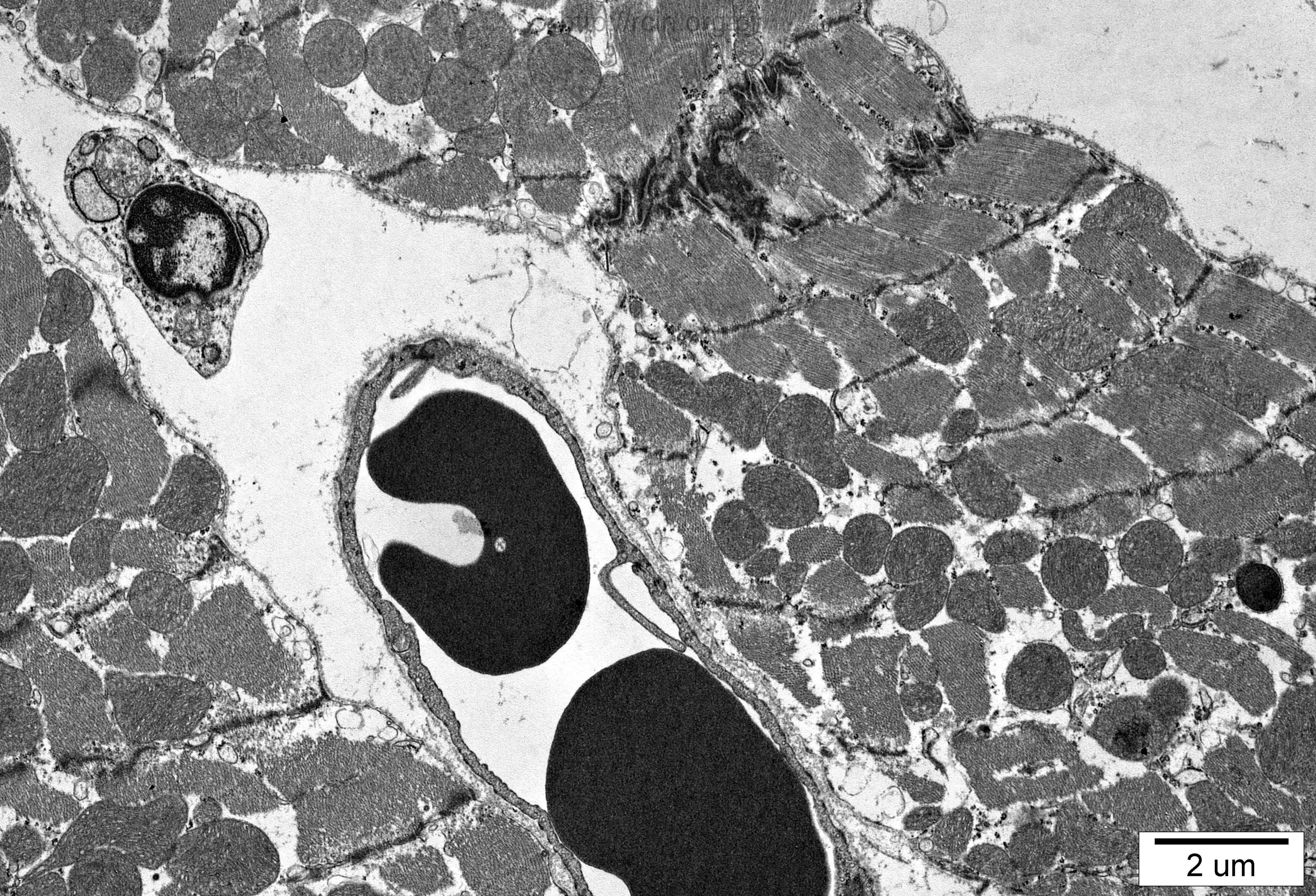


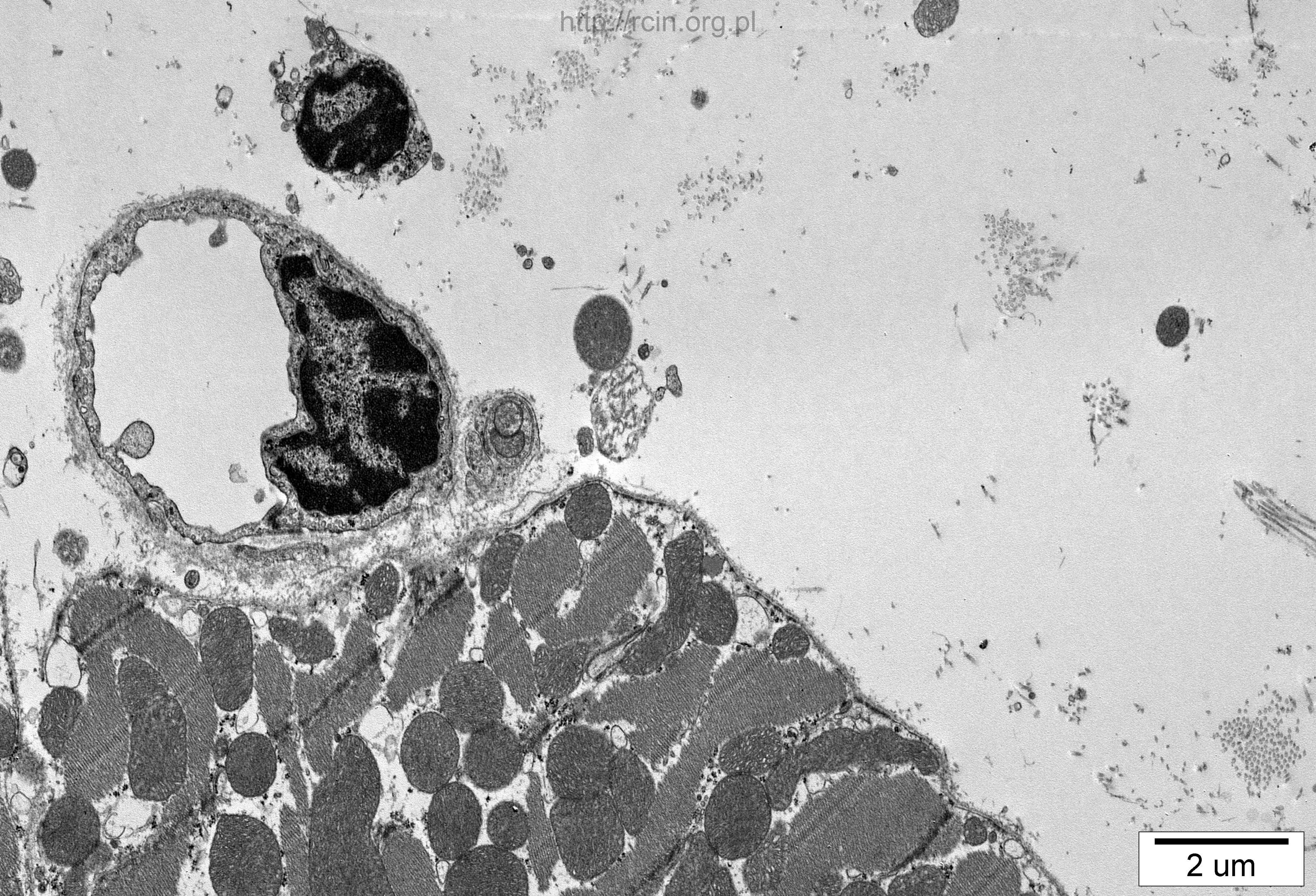
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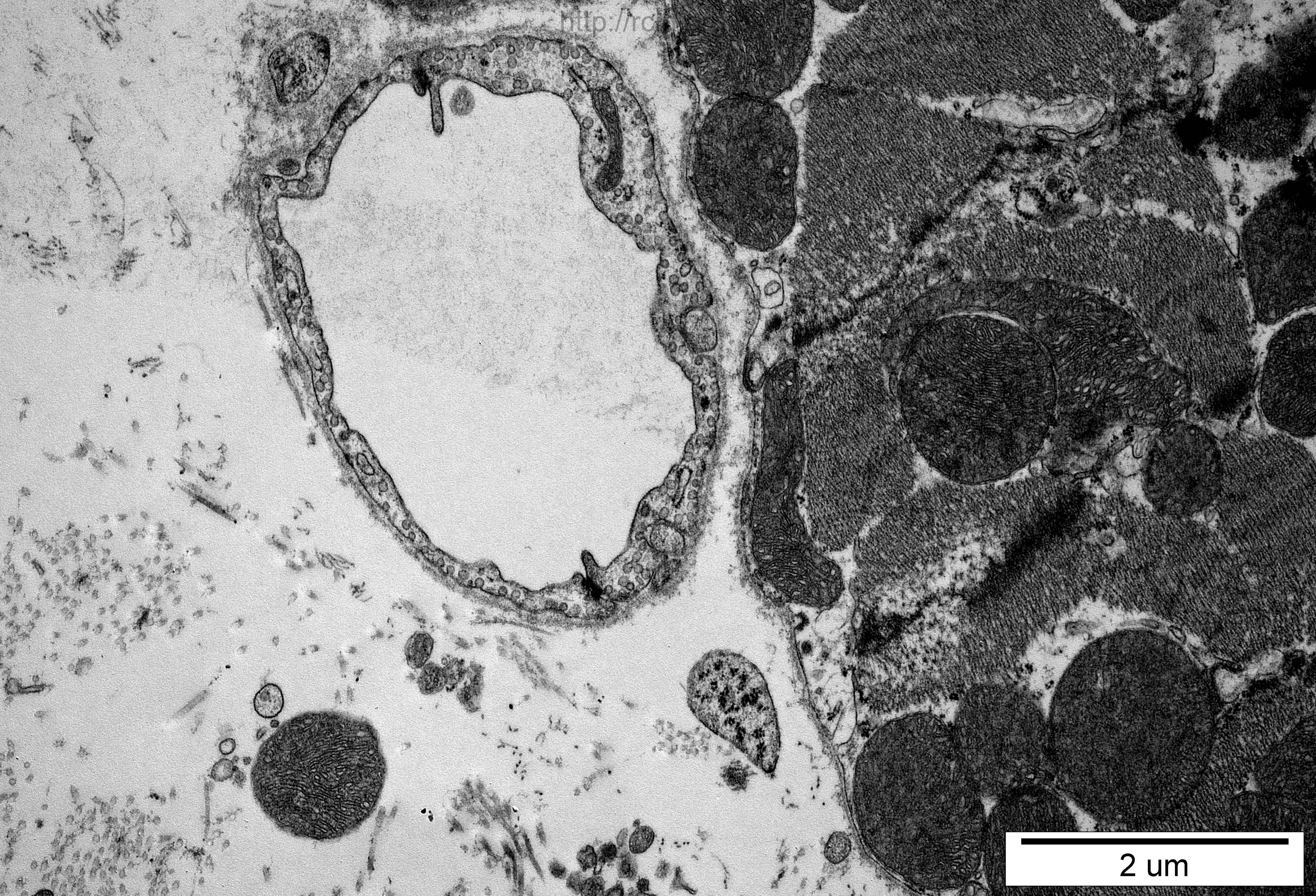
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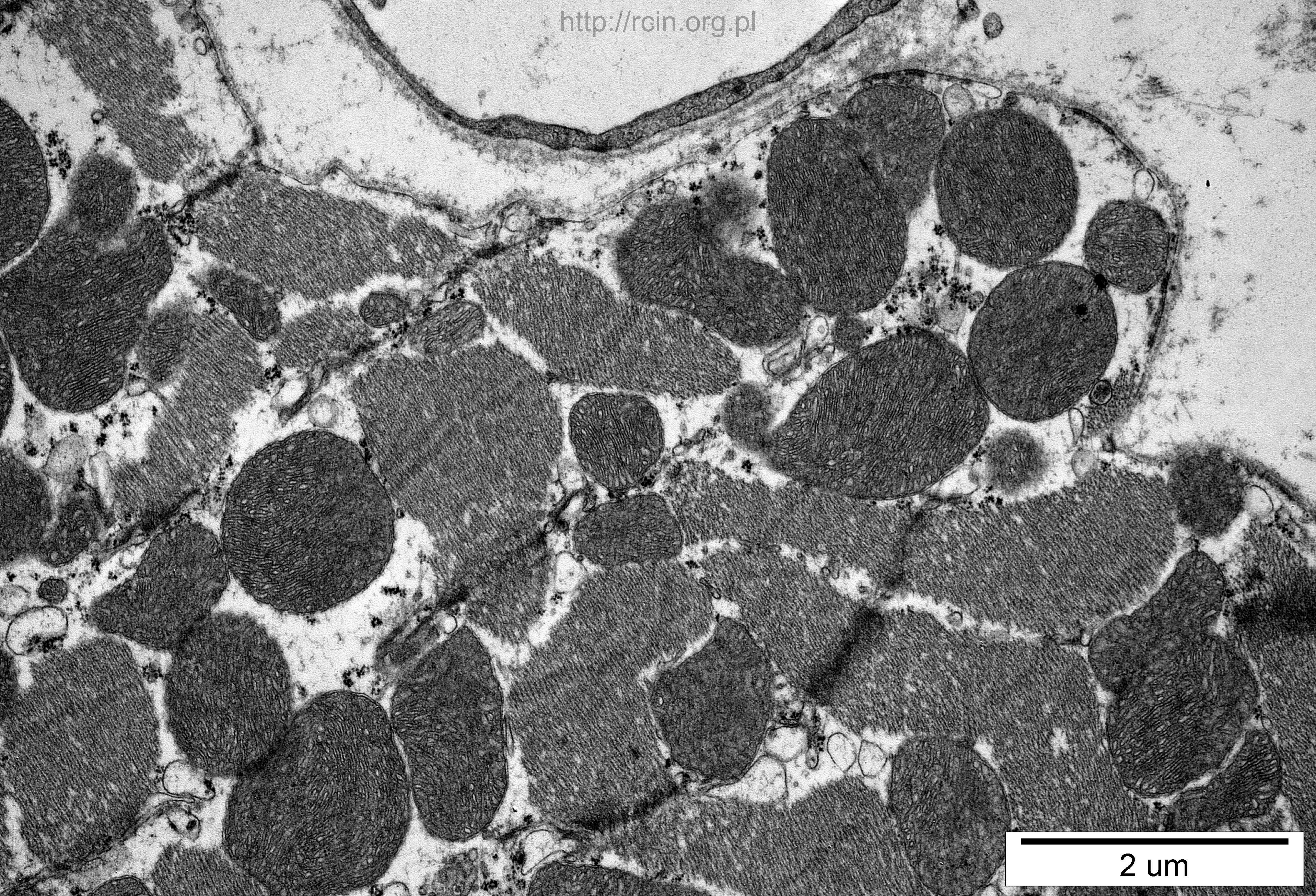
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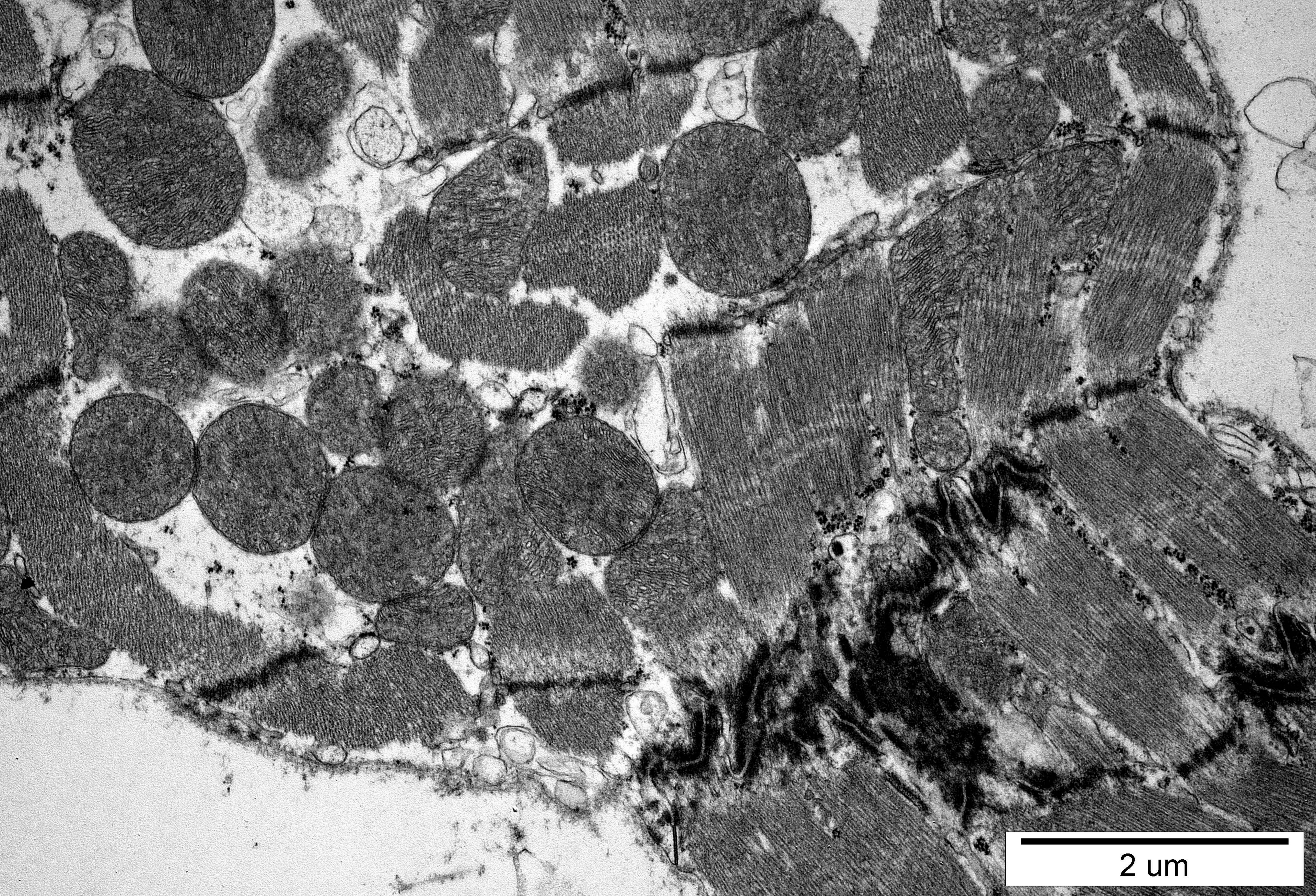
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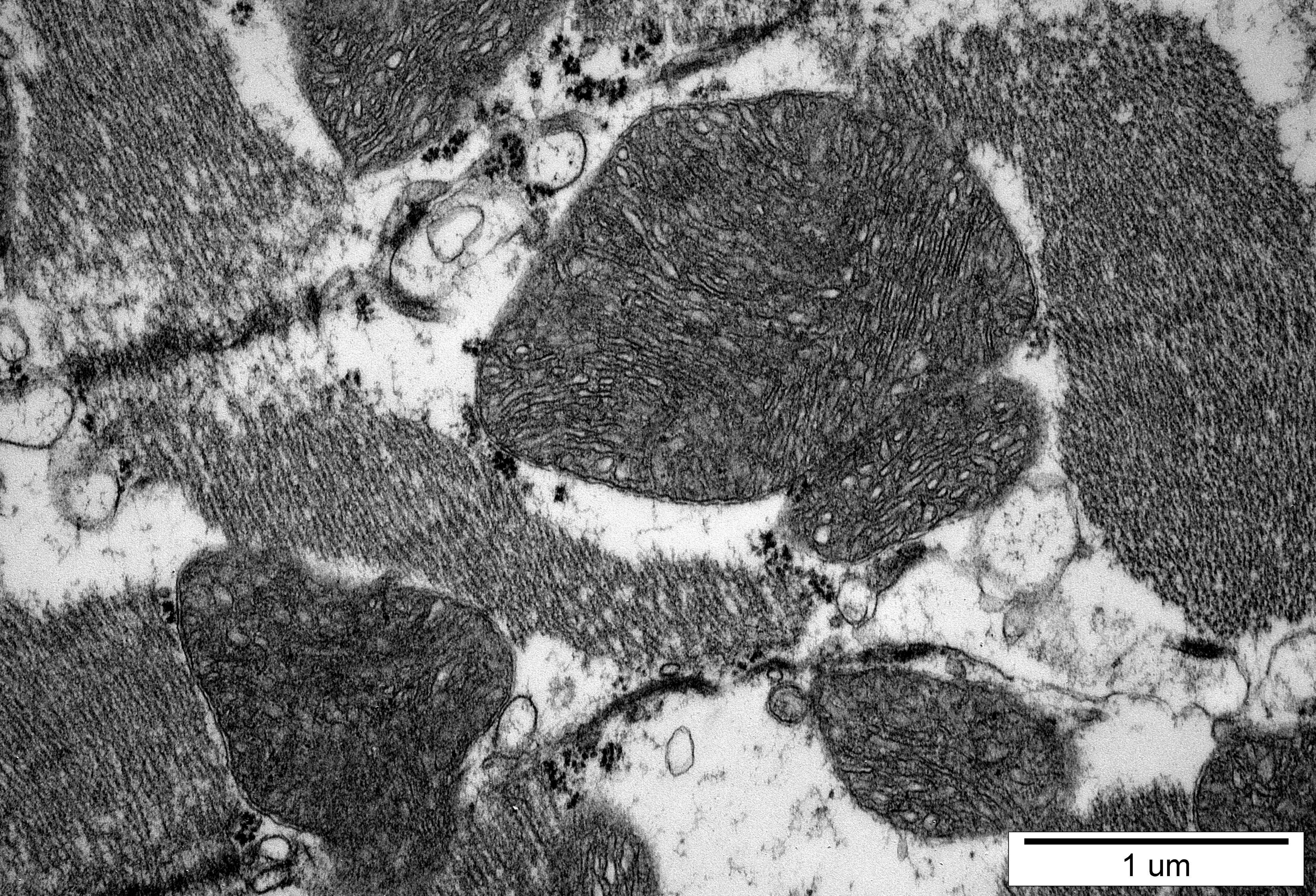
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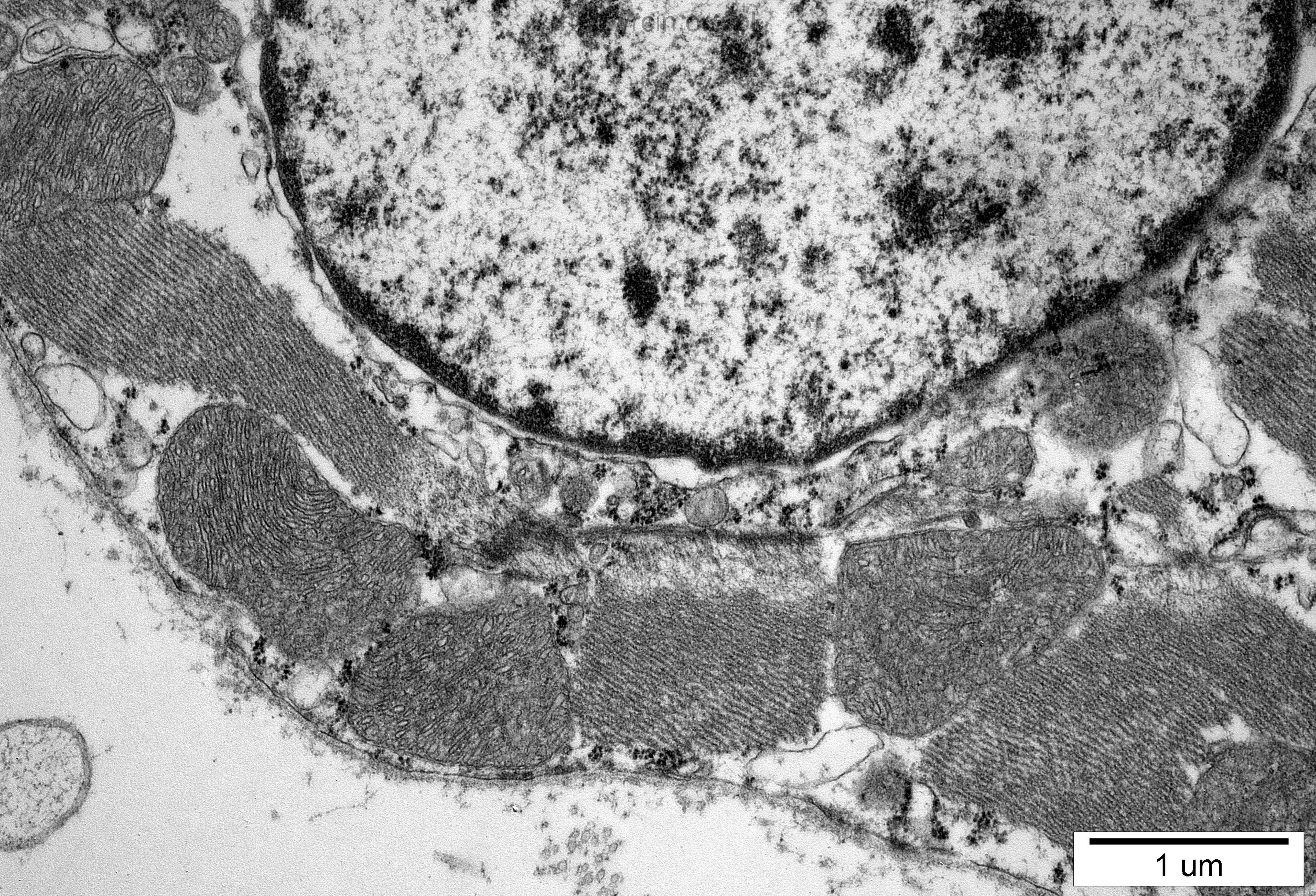
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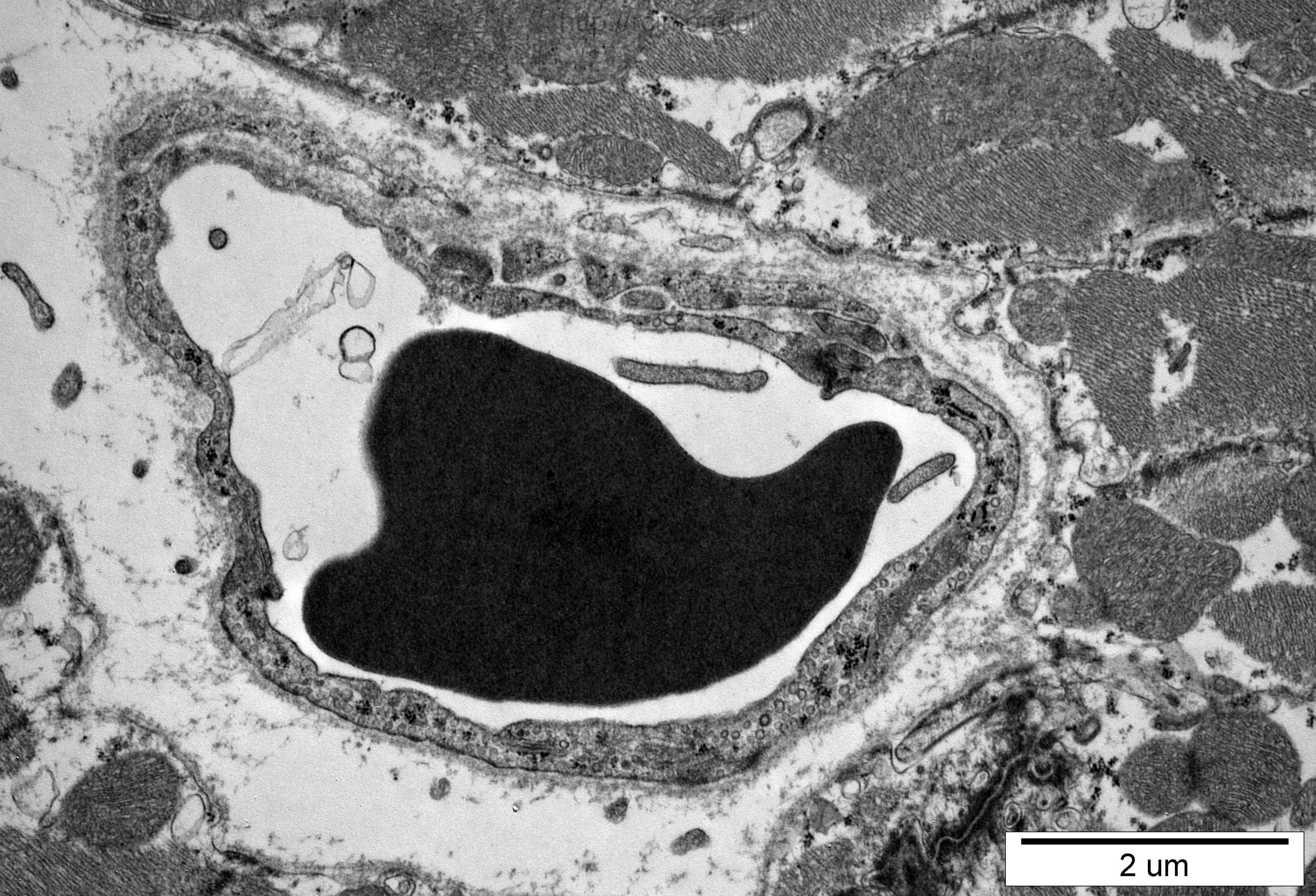
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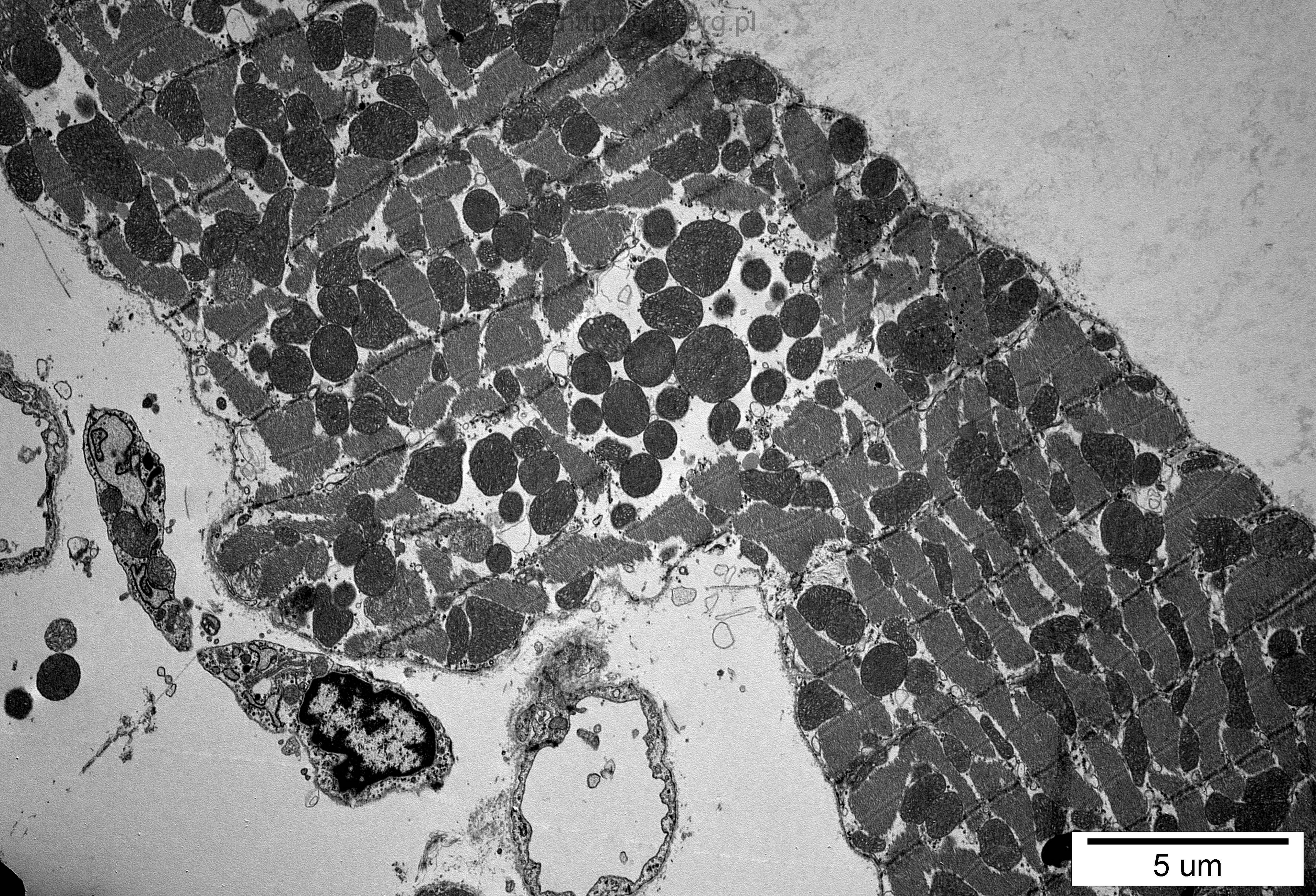
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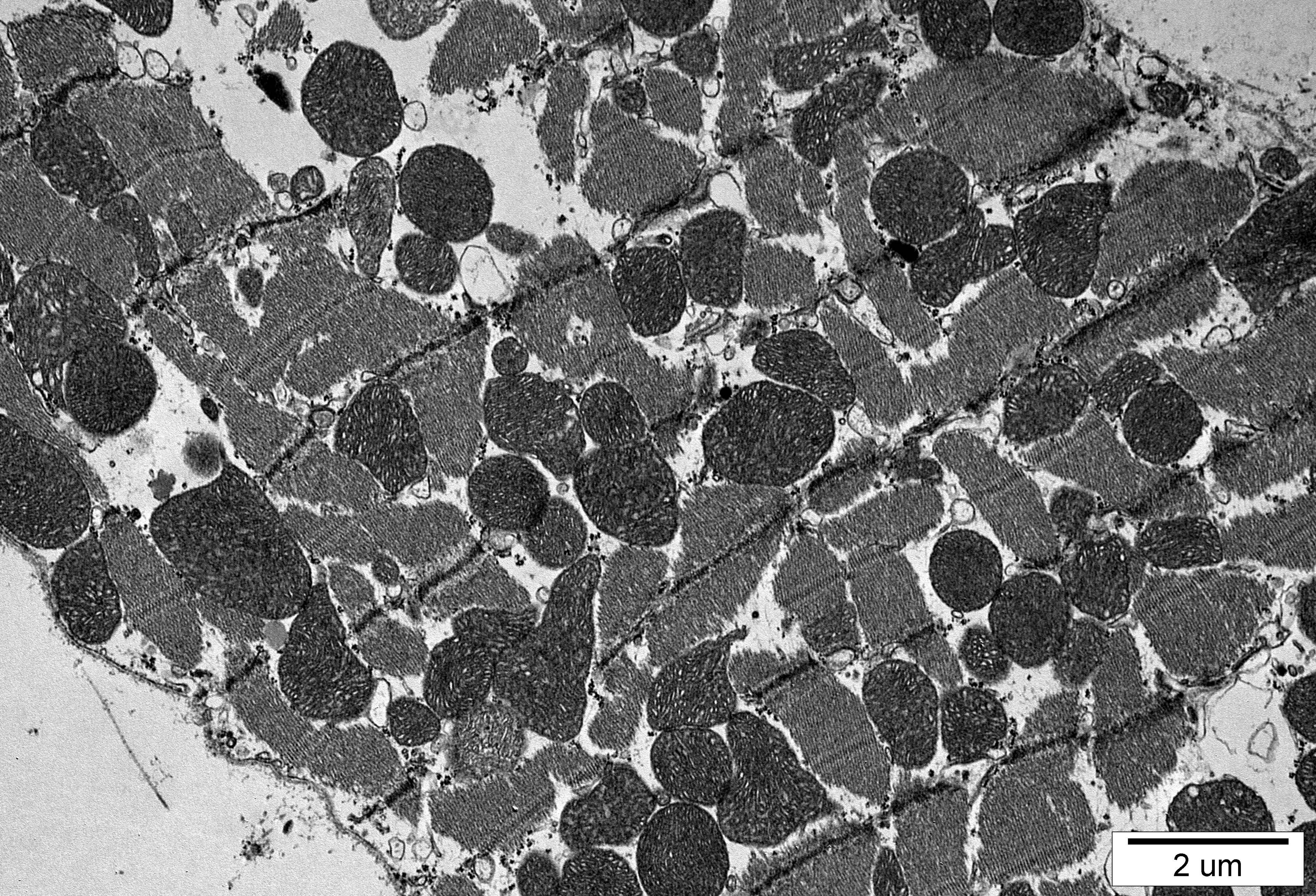
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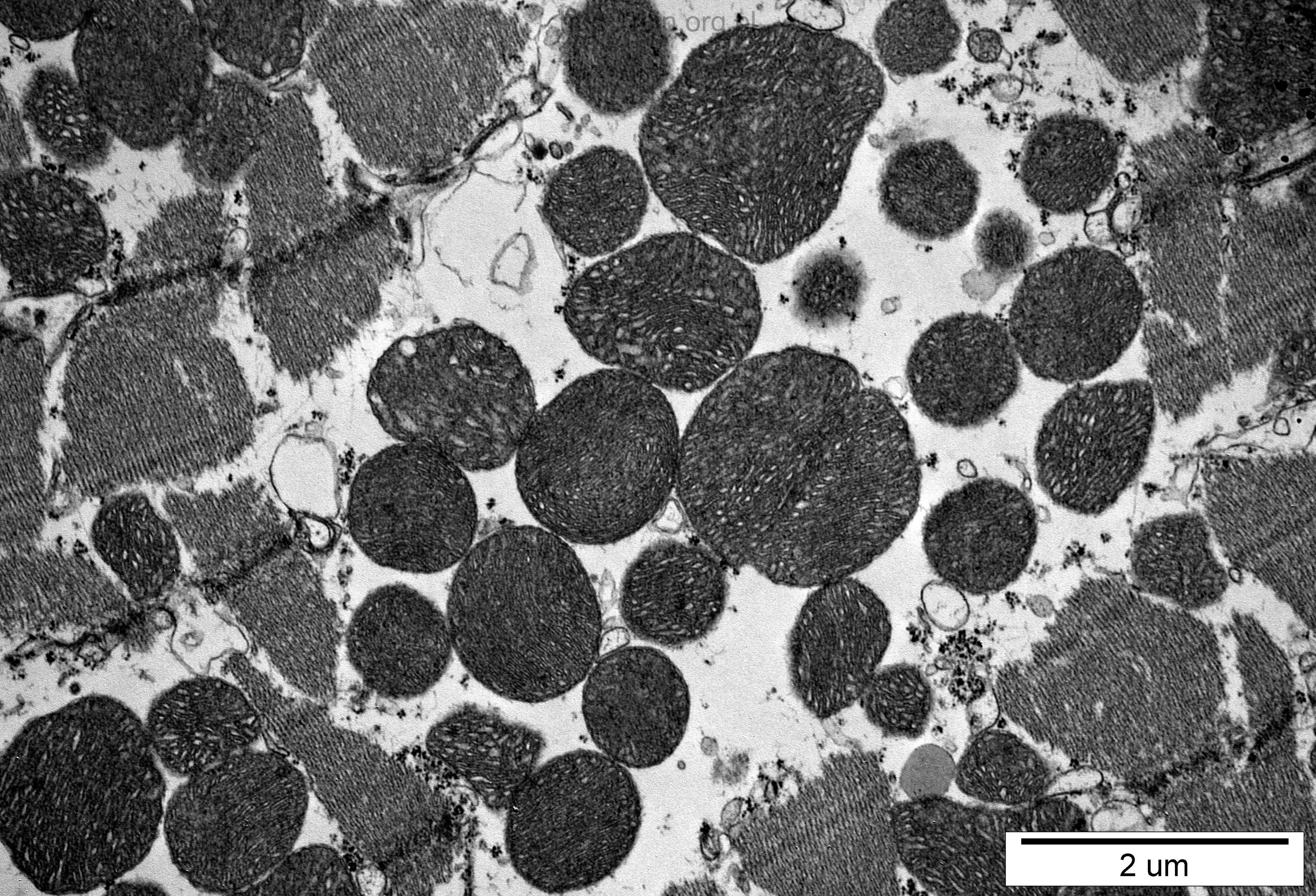
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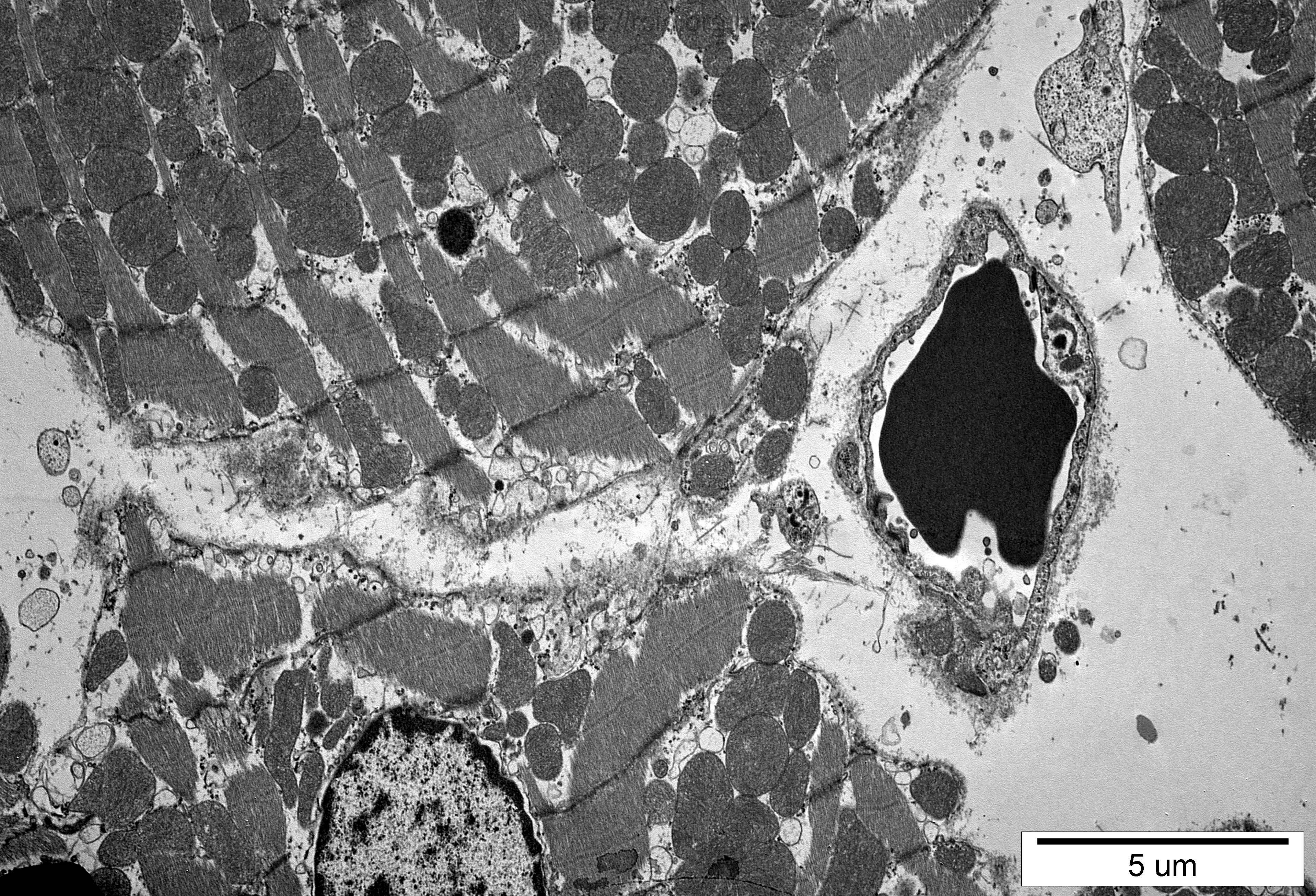
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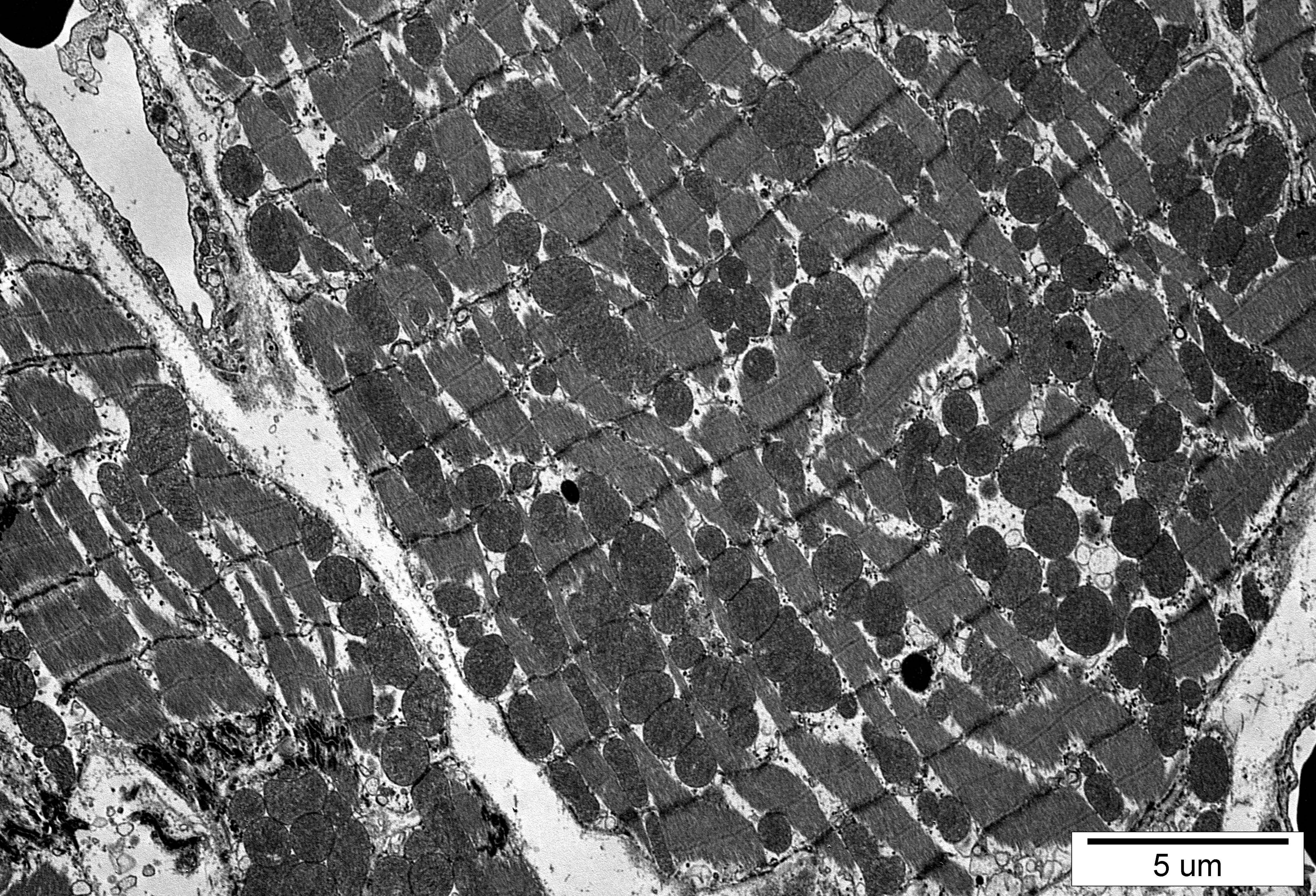
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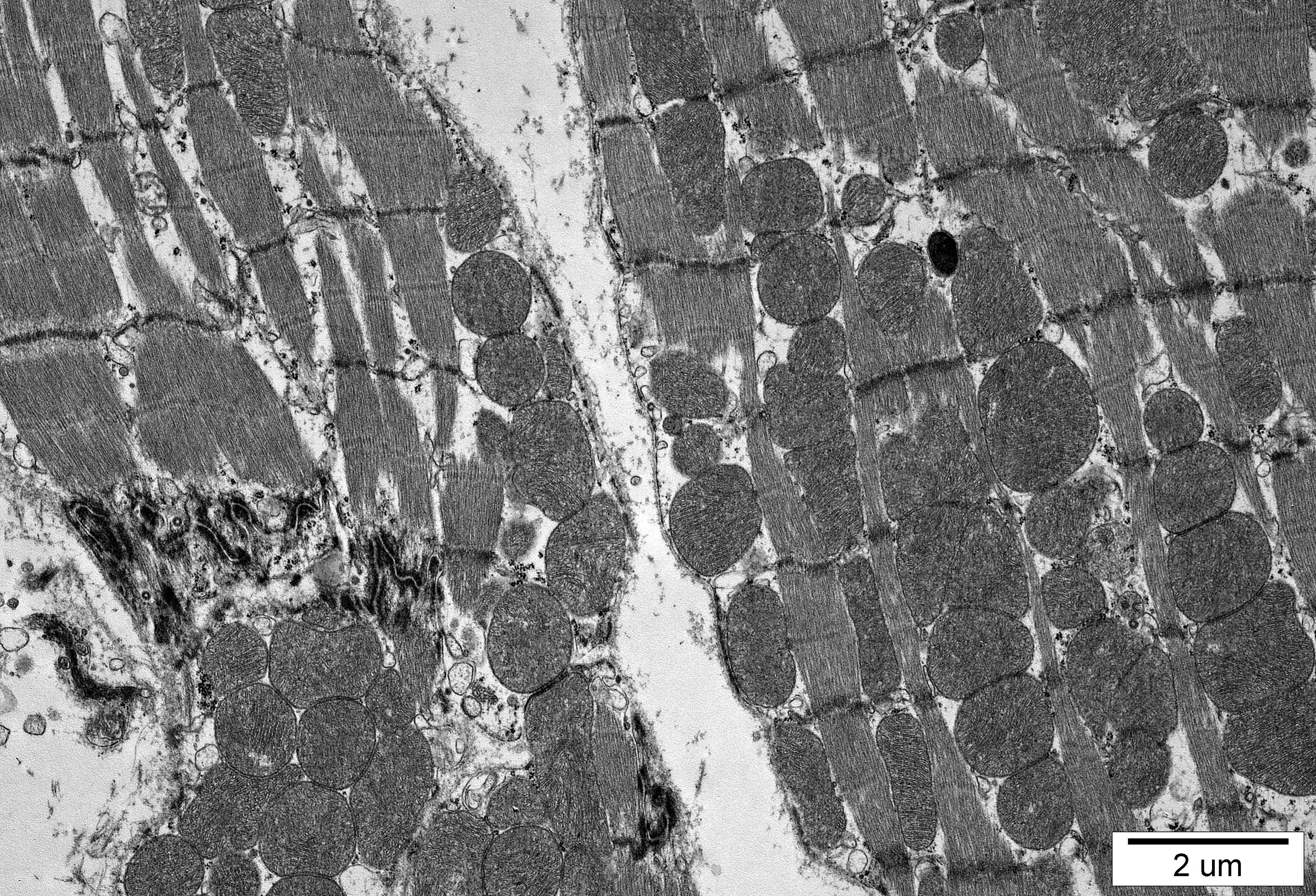
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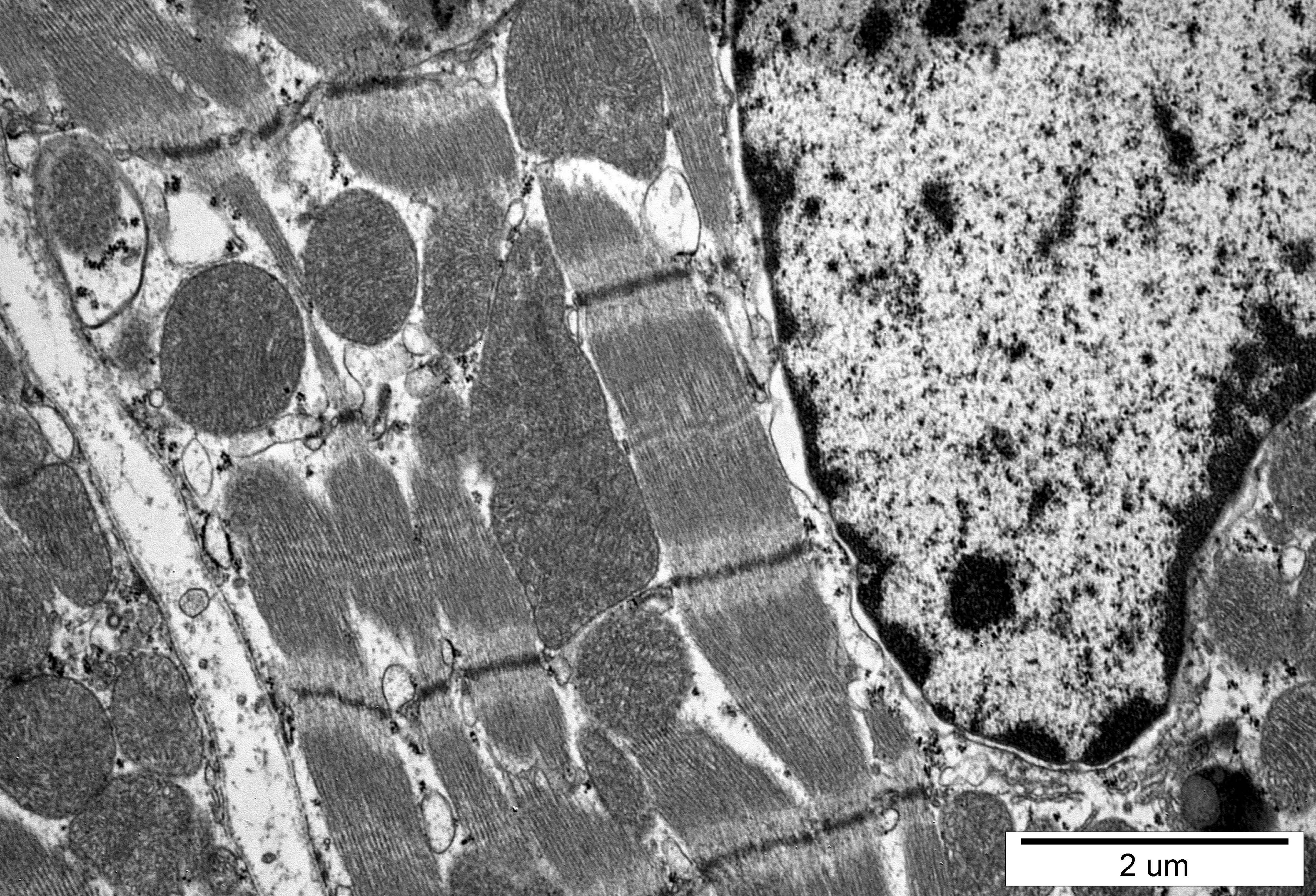
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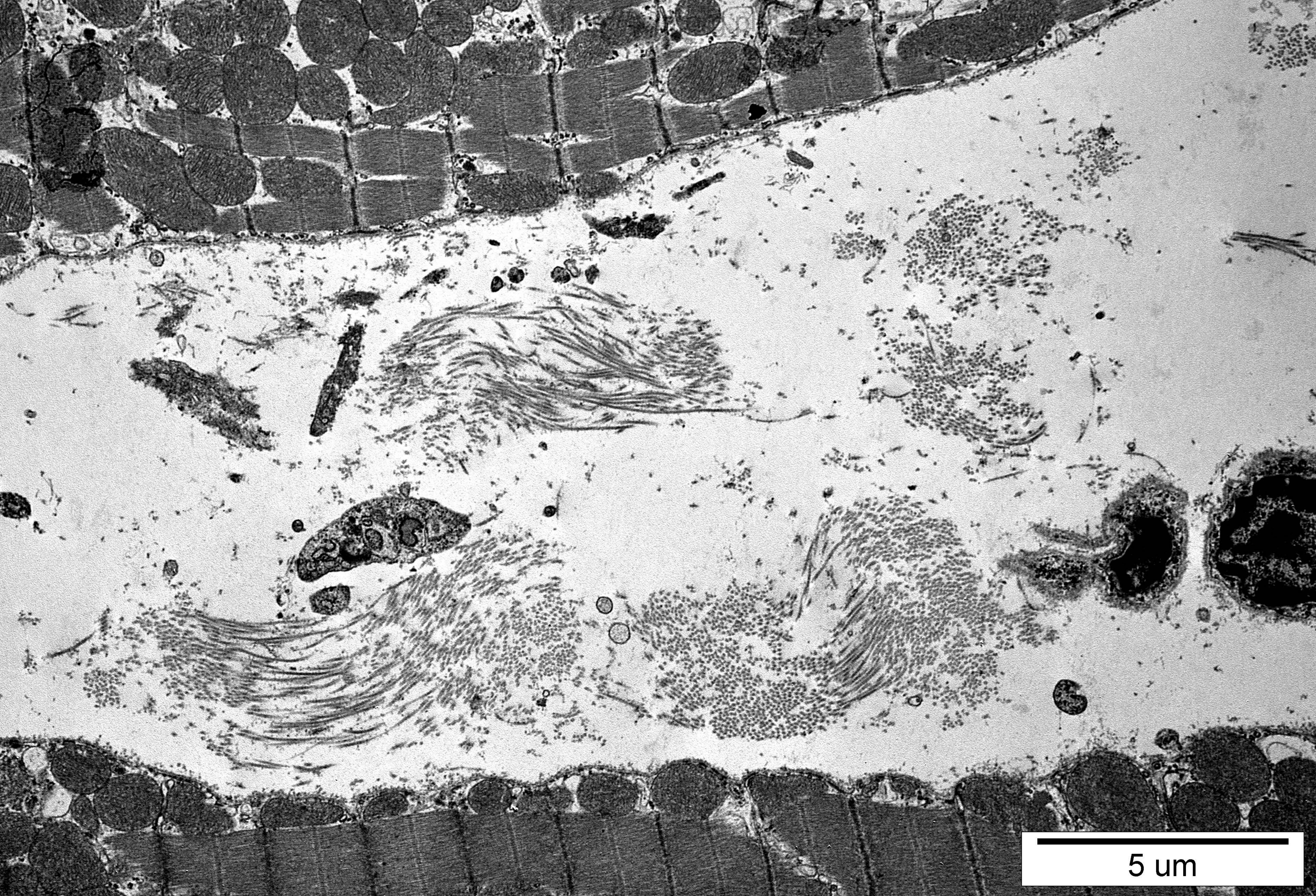
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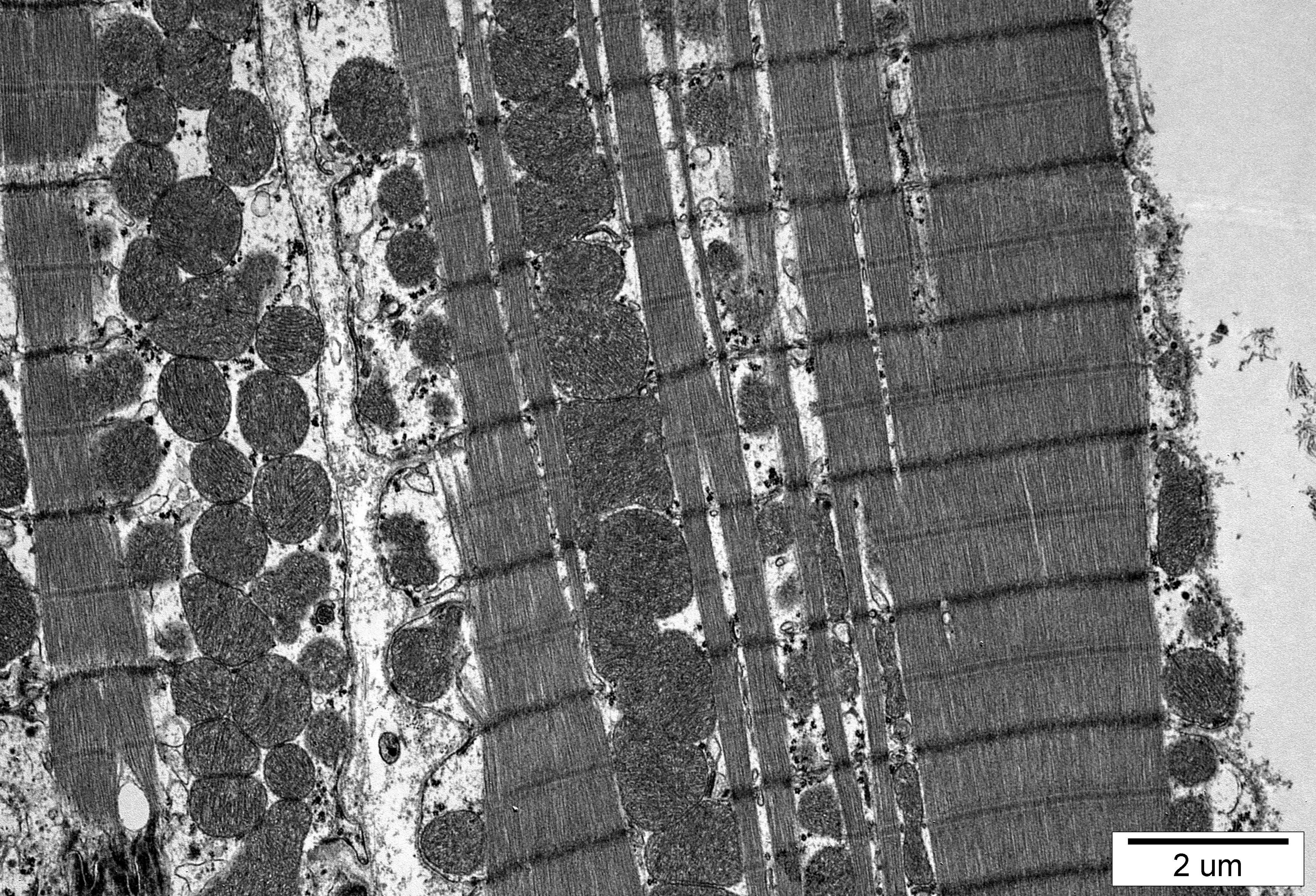
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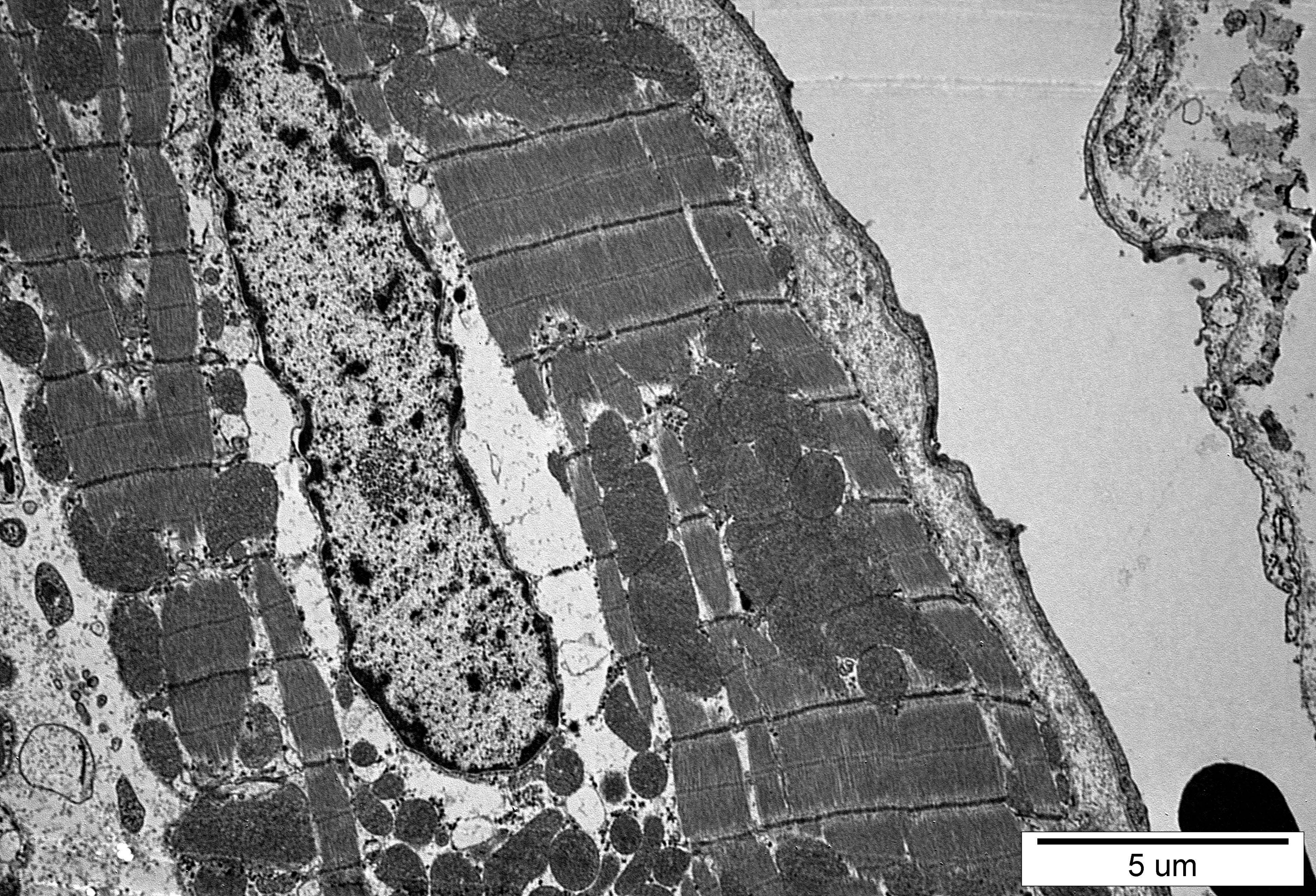
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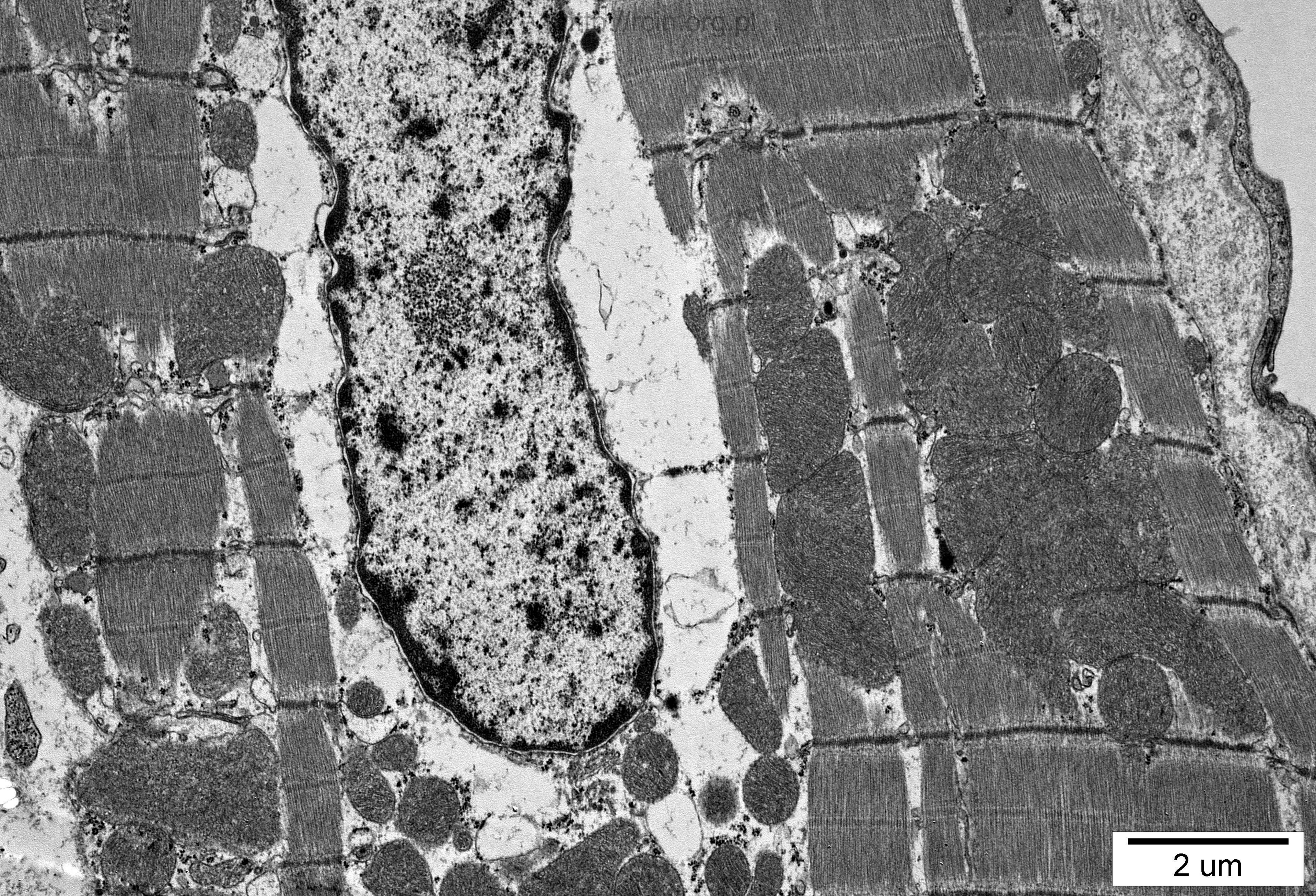
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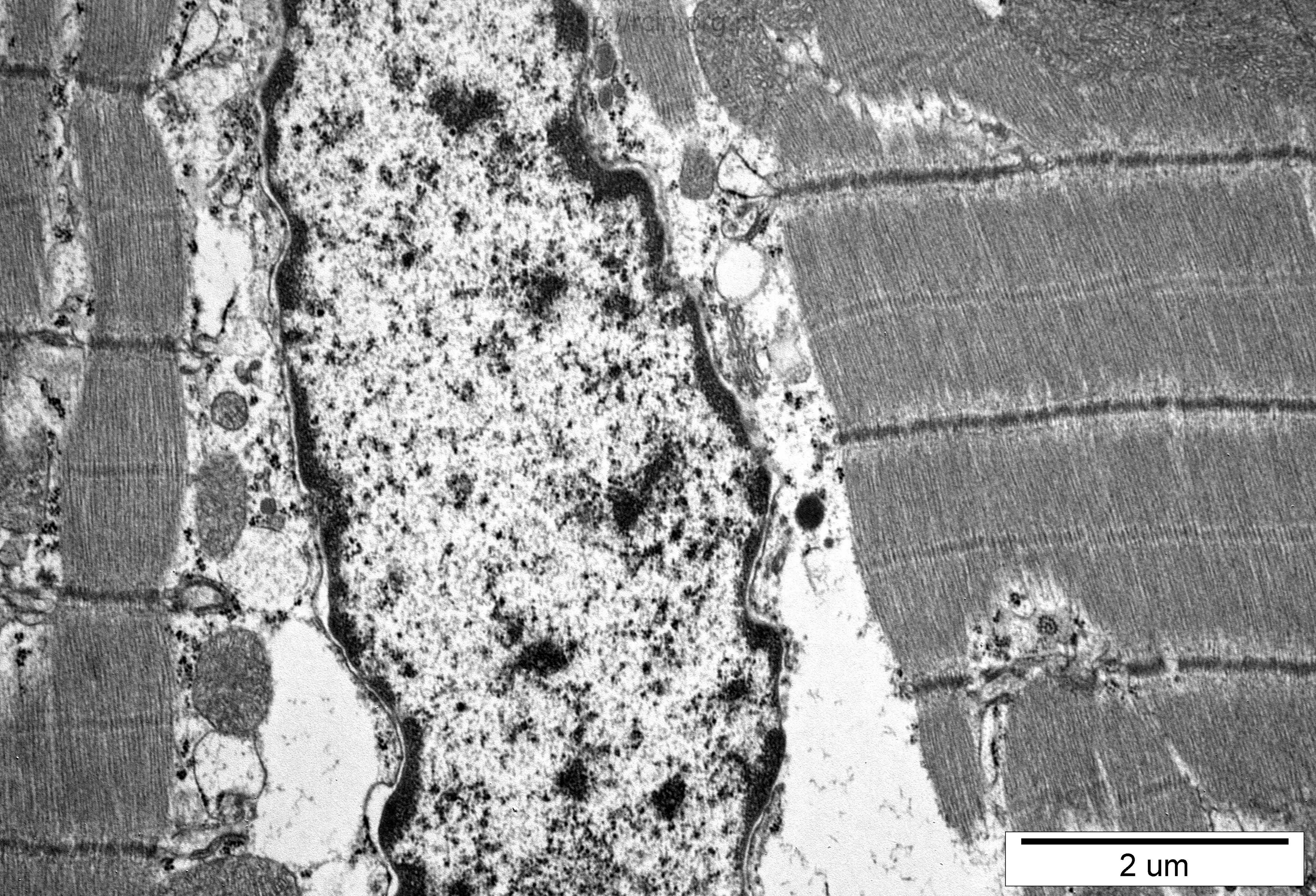
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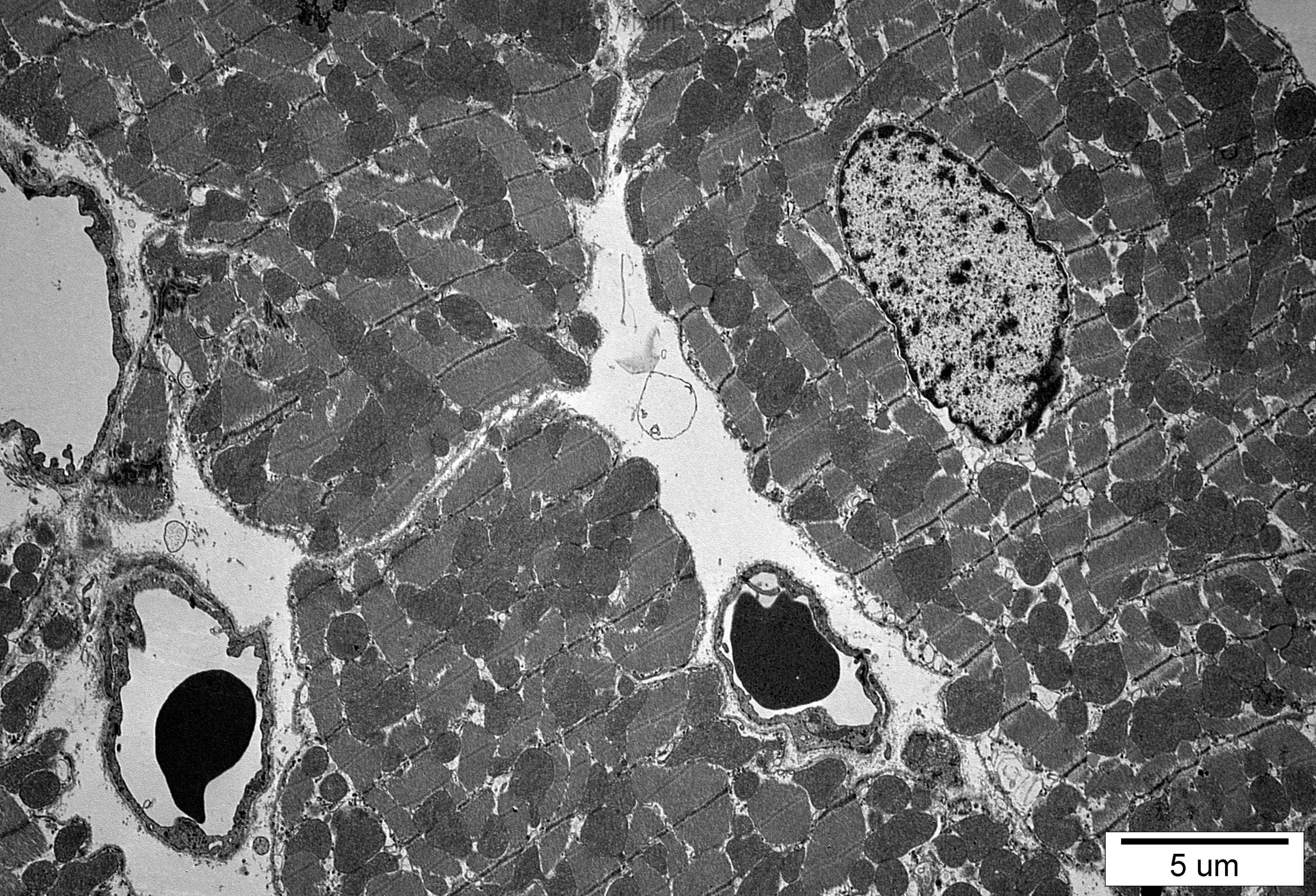
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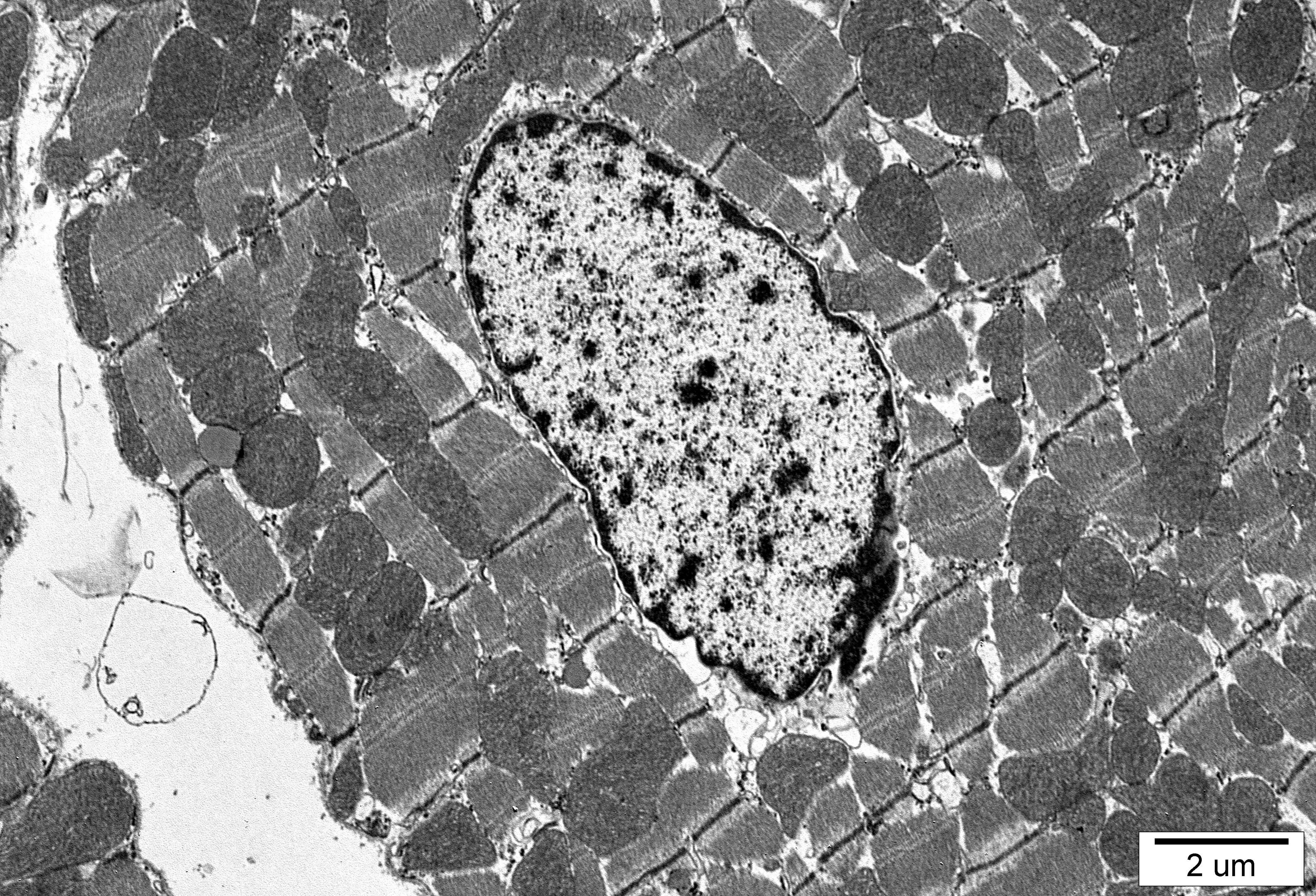
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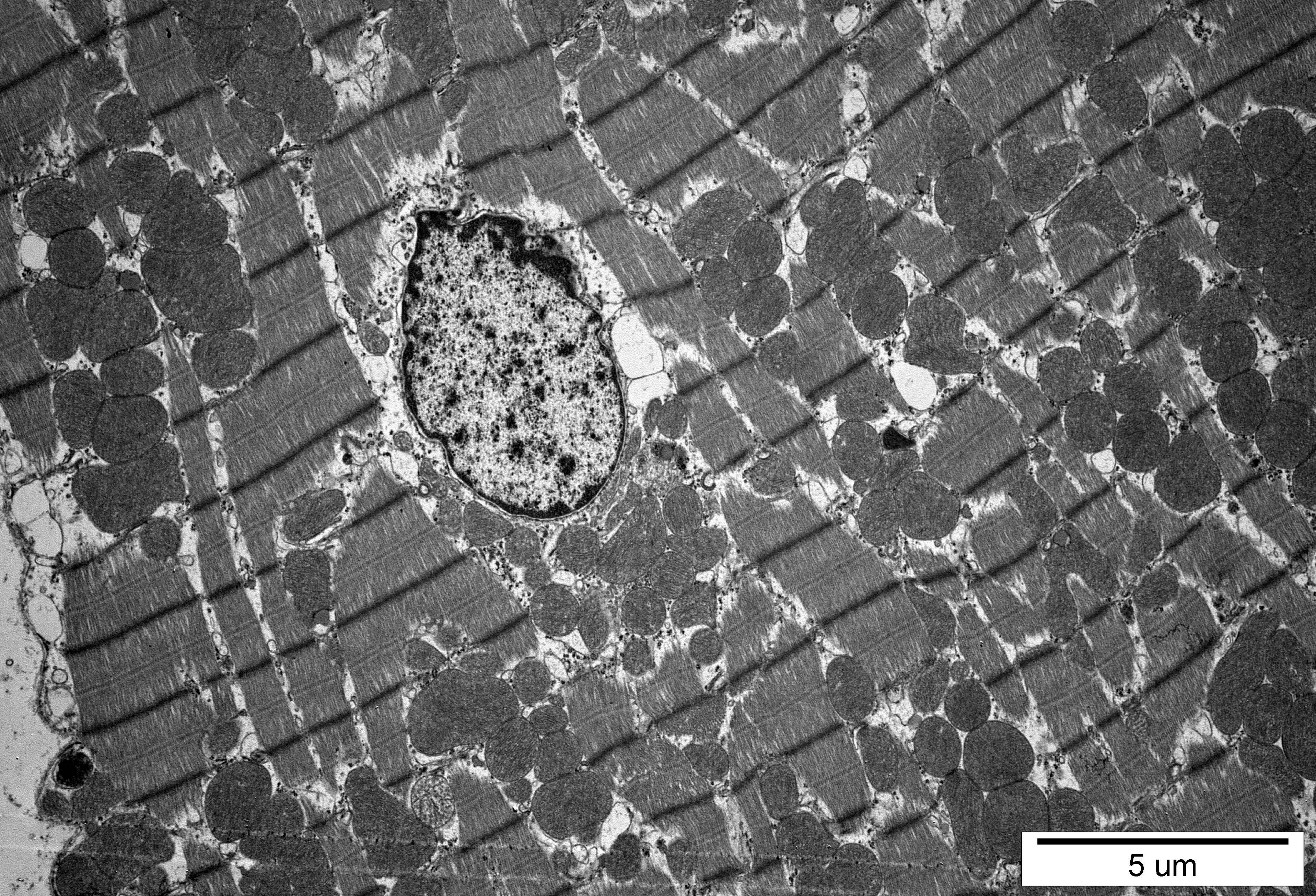
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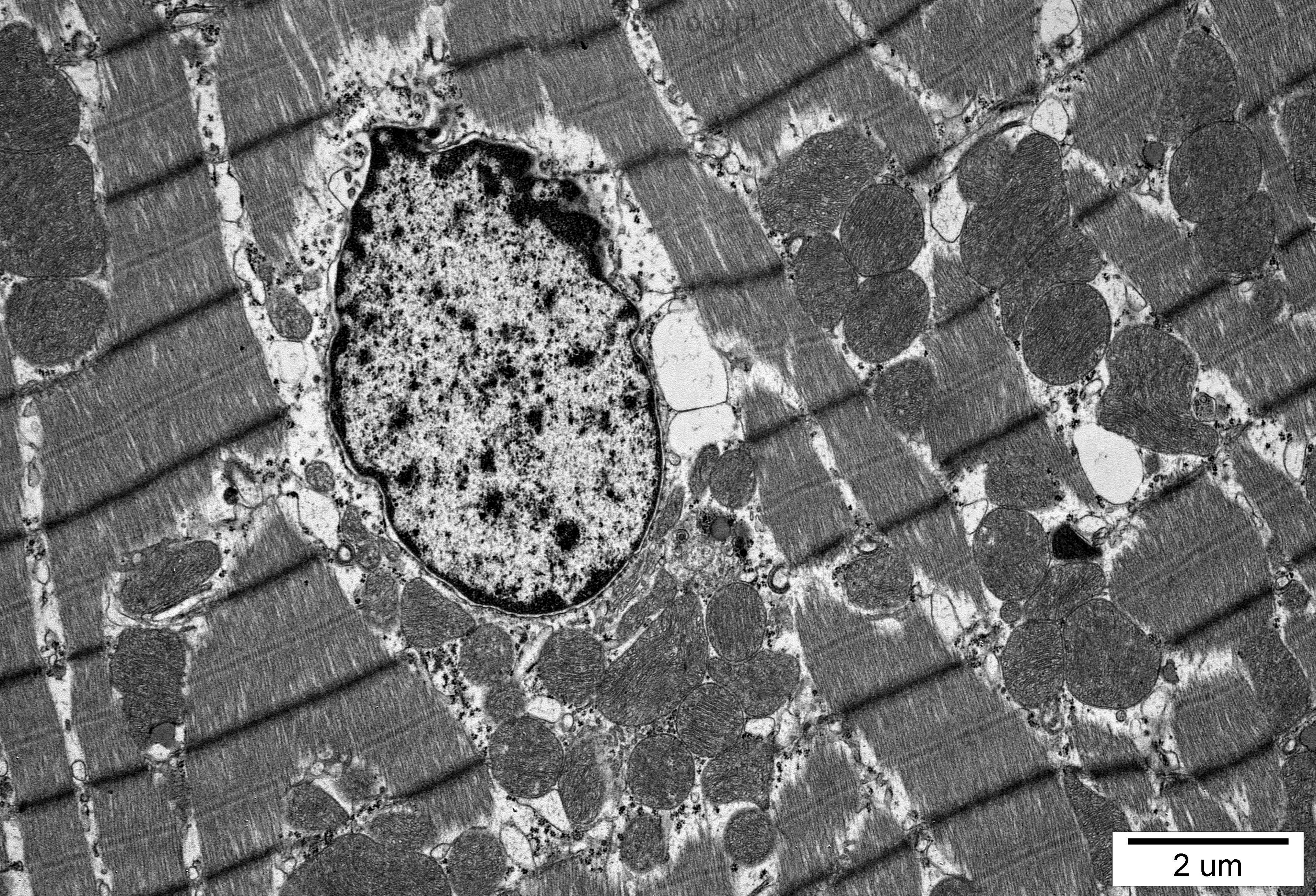
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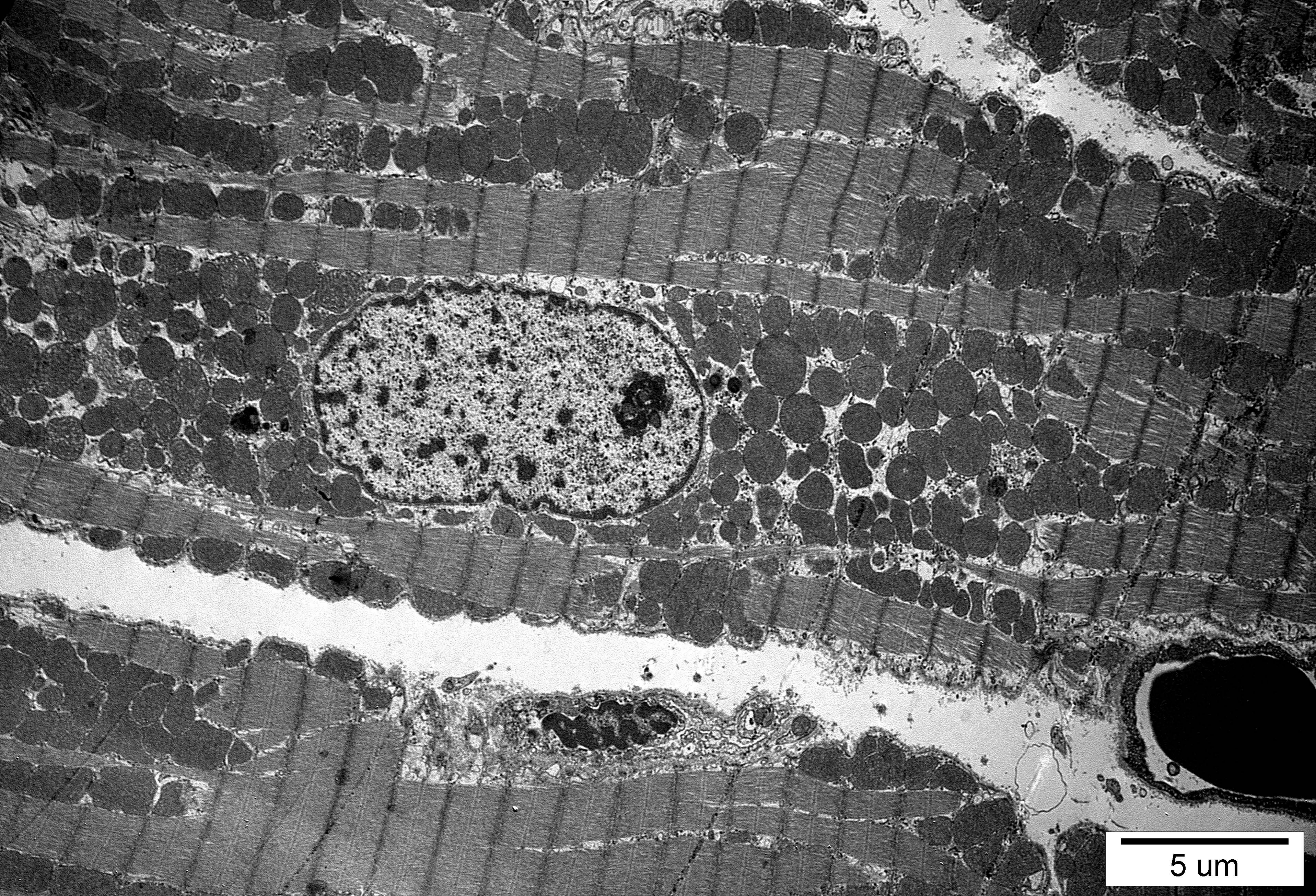
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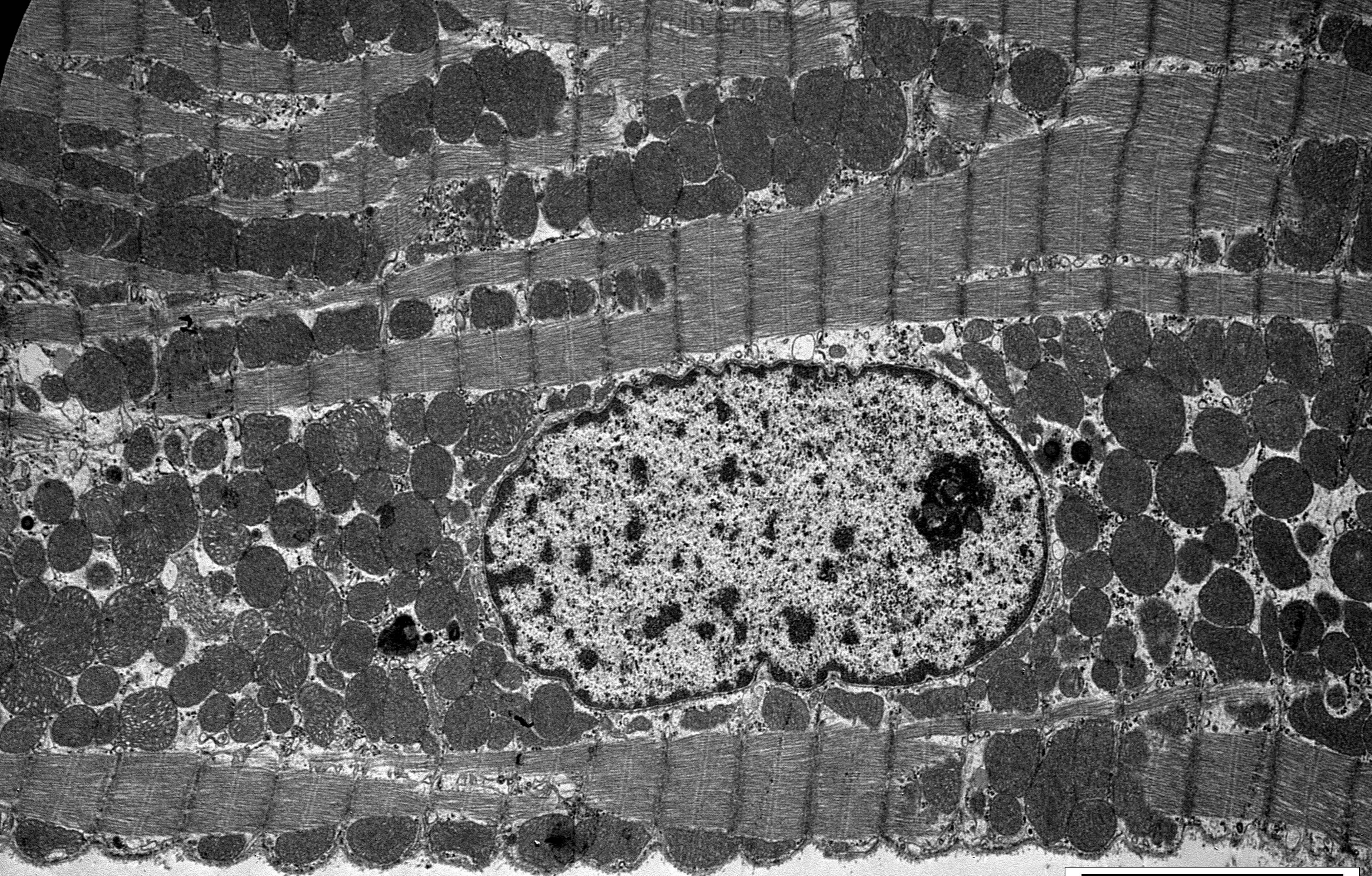
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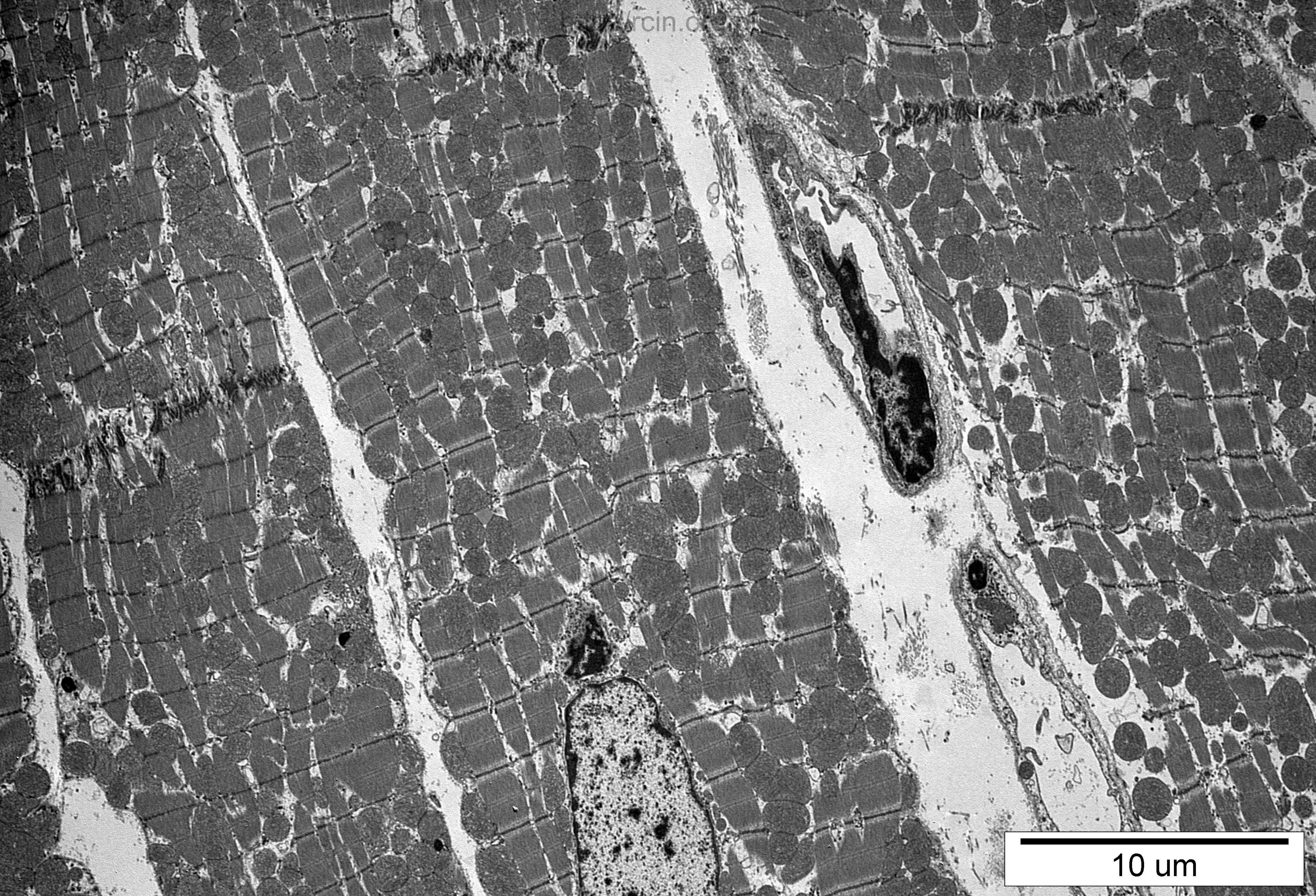
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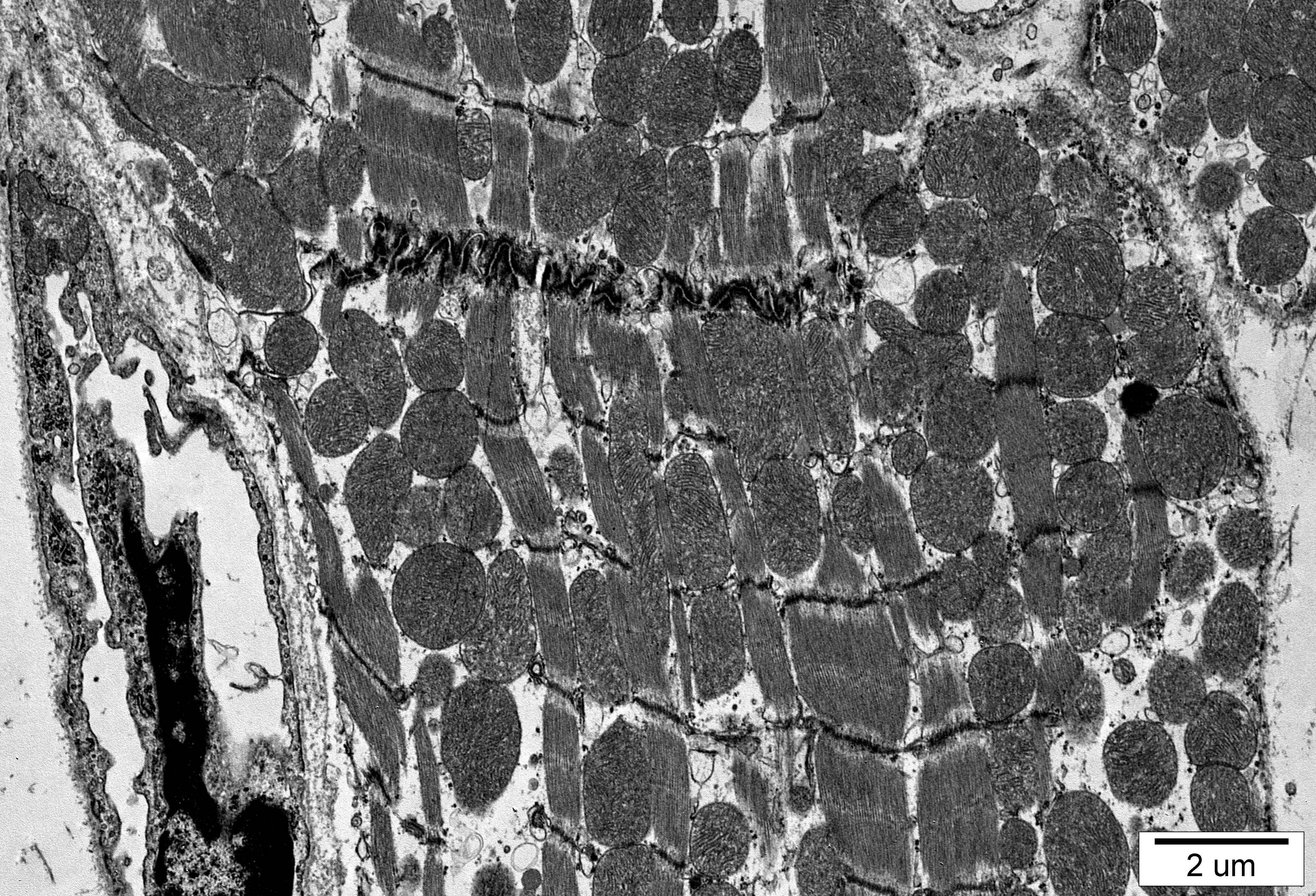


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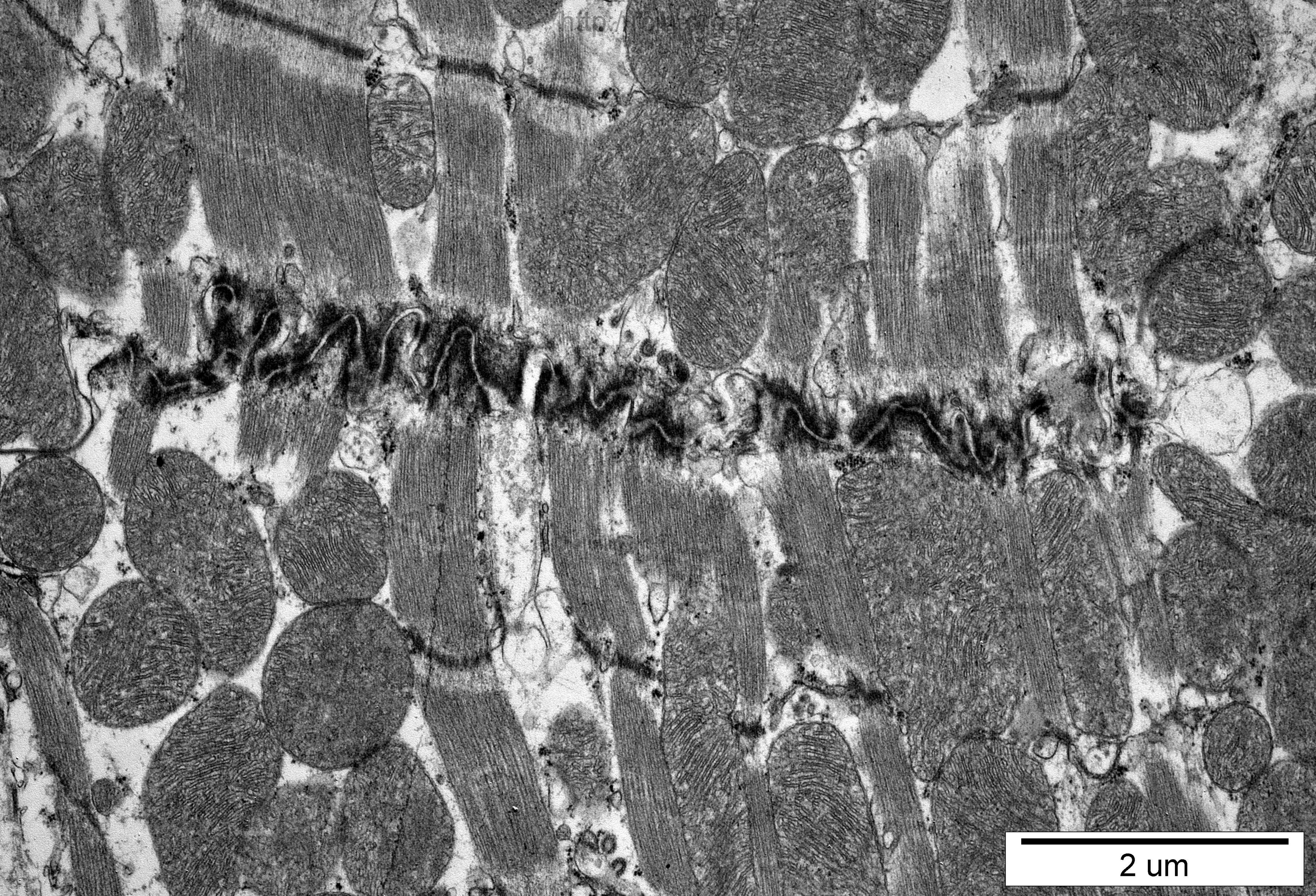


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Analiza elektronowo-mikroskopowa ujawniła brak zmian ultrastrukturalnych w kardiomiocytach w części biopsatu (Fig. 4644-27, 29). W innych częściach wzór sarkomerów był zachowany (Fig. 4644-16, 20, 23) ale miofibryle były rozproszone (Fig. 4644-11, 19, 30) lub w okolicy jąder kardiomiocytów zanikłe (Fig. 4644-21, 22). Jądra kardiomiocytów położone ośrodkowo i o prawidłowej ultrastrukturze (Fig. 4644-9, 29) z wyjątkiem miejscowego poszerzenia odległości między zewnętrzną a wewnętrzną błoną jądrową w niektórych jądrach (Fig. 4644-24, 26). Mitochondria były niezmienione, o zachowanych grzebieniach (Fig. 4644-6, 7, 8) niektóre charakteryzowały się ciemną macierzą mitochondrialną (Fig. 4644-12, 13). Wstawka o prawidłowy przebiegu (Fig. 4644-29, 31). W przestrzeni zewnątrzkomórkowej bardzo licznie występowały naczynia kapilarne (Fig. 4644-1, 2, 4, 10, 14, 23) i obserwowano niezbyt obfitą tkankę łączną (Fig. 4644-18).

Electron-microscopic analysis did not reveal any ultrastructural changes of cardiomyocytes in some parts of the biopsy (Figs. 4644-27,29). In other parts, the sarcomeres pattern was preserved (Fig. 4644-16,20,23) but myofibrils were scattered (Figs. 4644-11,19,30) or, in the vicinity of cardiomyocyte nuclei their atrophy was observed (Figs. 4644-21,22). Cardiomyocytes' nuclei were centrally located revealed normal ultrastructure (Figs. 4644-9, 29) except for local widening of the distance between the outer and inner nuclear membranes in some nuclei (Figs. 4644- 24,26). Mitochondria were unaltered, with preserved cristae (Figs. 4644-6,7,8) but some were characterized by dark mitochondrial matrix (Figs. 4644-12,13). The intercalated discs of the normal course were seen (Figs. 4644-29,31). Capillary vessels were very abundant in the extracellular space (Fig. 4644-1,2,4,10,14,23) and some connective tissue was observed (Fig. 4644-18).