

Photo 5. Electron microscopic photographs of stage XI seminiferous tubule from a 3.31% HCA treated rat.

A: Focally increased extracellular space and dissociation of Sertoli cell membrane are observed. x 2,000

B: Higher magnification of a part of photo A. A several cysts-like structure is noted. x 10,000

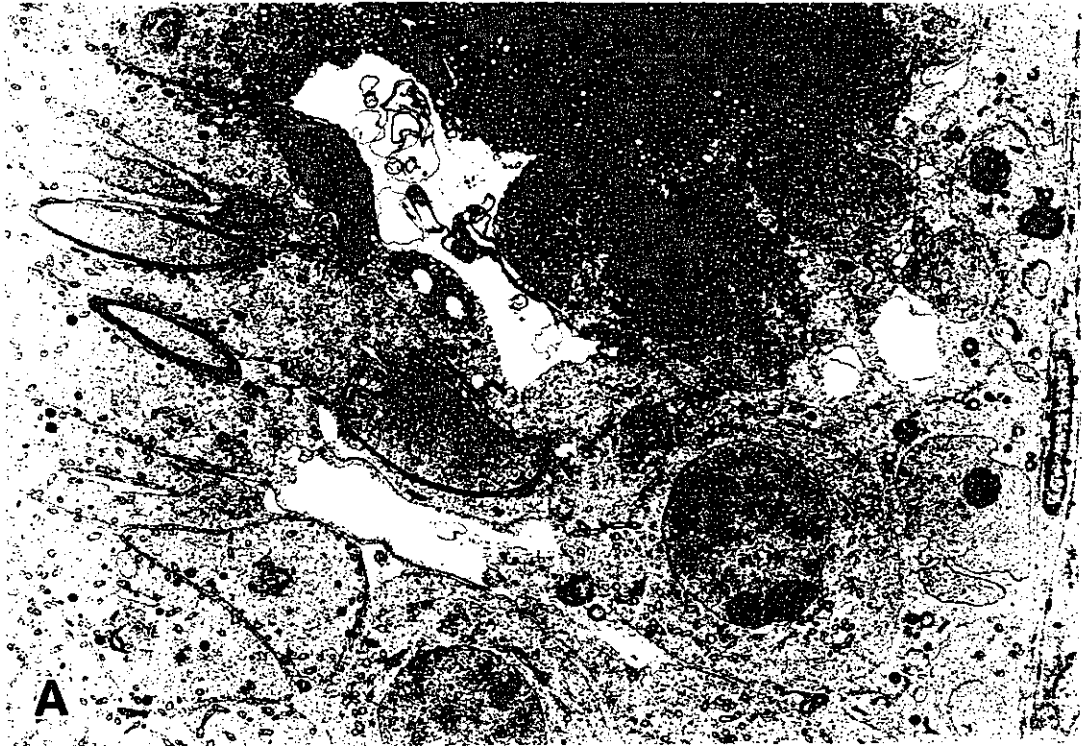


Photo. 6. Electron microscopic photographs of stage X seminiferous tubule from a positive control rat.

A: Focally increased extracellular space and dissociation of Sertoli cell membrane are observed. x 2,000

B: Higher magnification of a part of photo A. Invagination of Sertoli cell membrane is noted. x 10,000

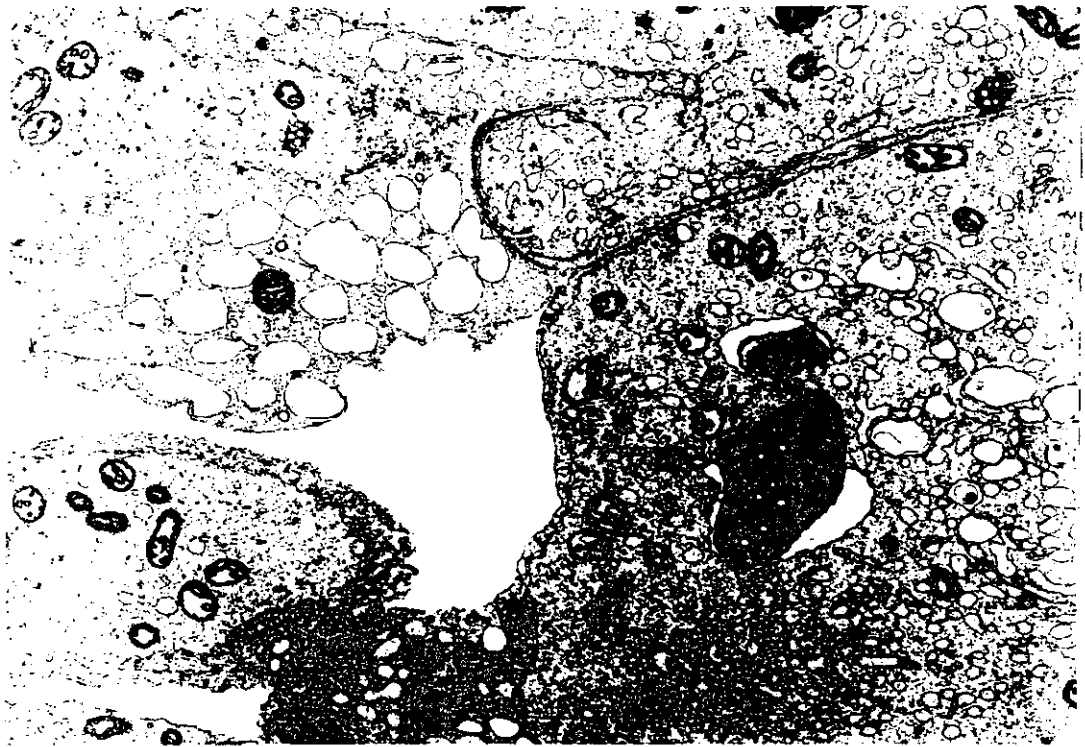


Photo. 7. An electron microscopic photograph of stage I seminiferous tubule from a 3.31% HCA treated rat. Dilatation of smooth-surfaced endoplasmic reticulum is noted in the cytoplasm of Sertoli cell adjacent to dilated extracellular space. x10,000

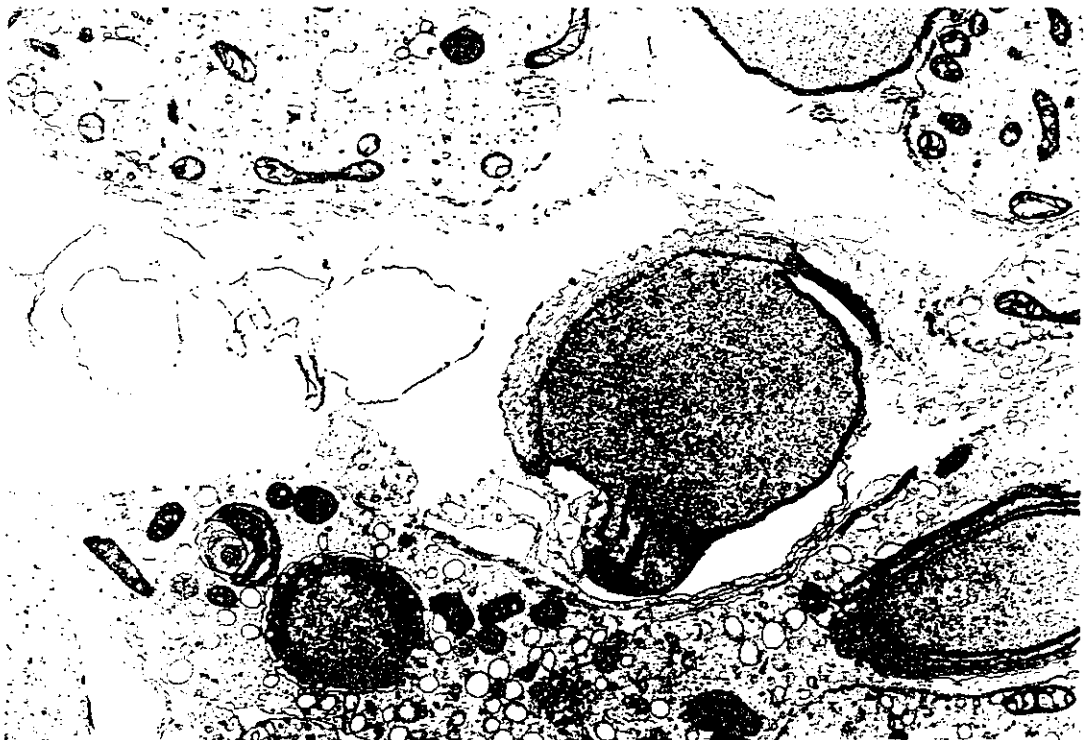


Photo. 8. An electron microscopic photograph of stage X seminiferous tubule from a 3.31% HCA treated rat. An elongated spermatid showing degenerative changes where in extracellular space is expanded. x8,000



Photo. 9. An electron microscopic photograph of stage X seminiferous tubule from a 3.31% HCA treated rat. Large number of vacuolar structure including the necrotized spermatids in the cytoplasm of Sertoli cell is noted. x3,000

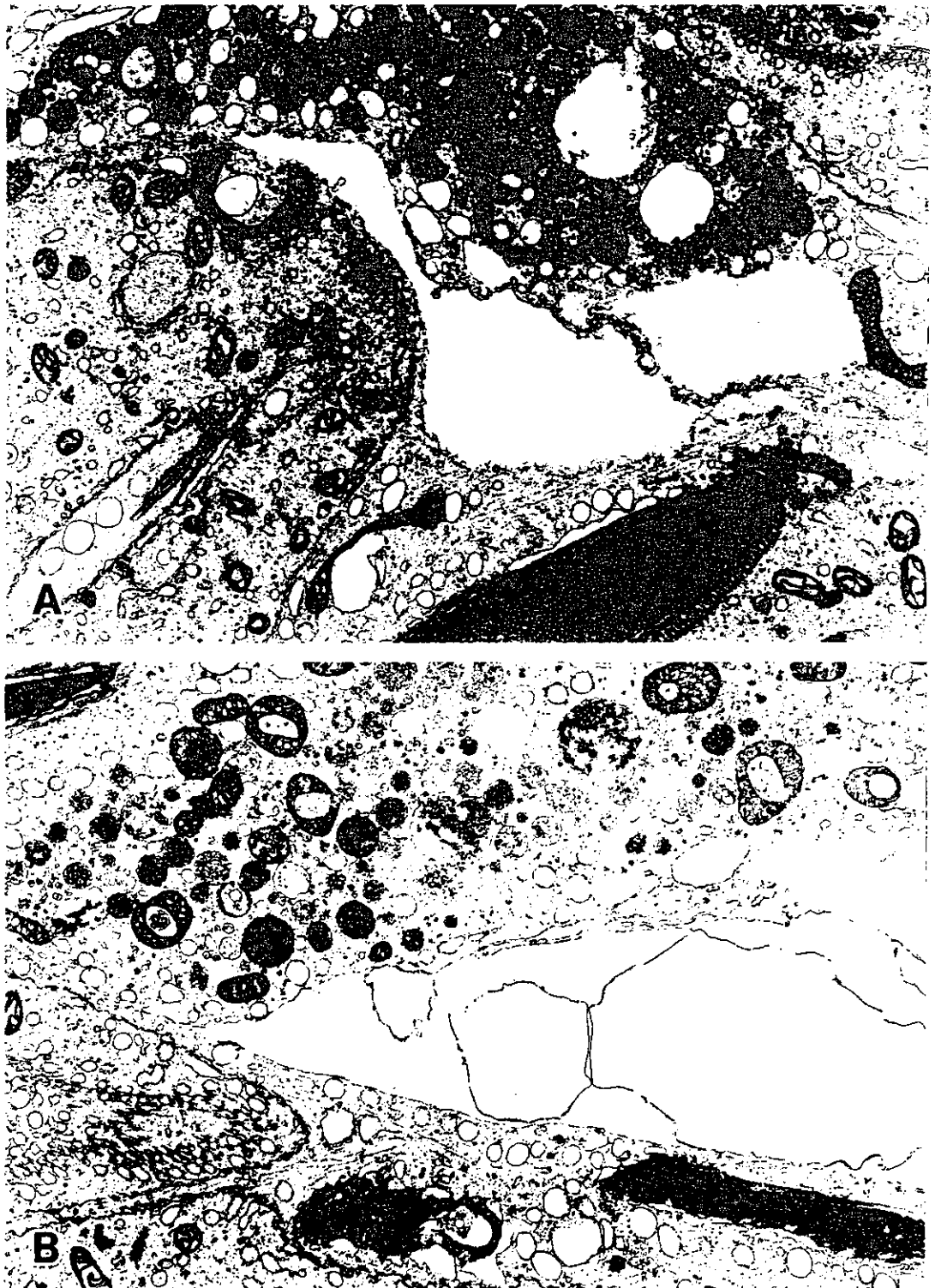


Photo. 10. Electron microscopic photographs of stage XI seminiferous tubules showing increased number of lysosomes in Sertoli cell cytoplasm adjacent to dilated extracellular space.
A: 3.31% HCA treated animal. x 10,000
B: Positive control animal. x 10,000

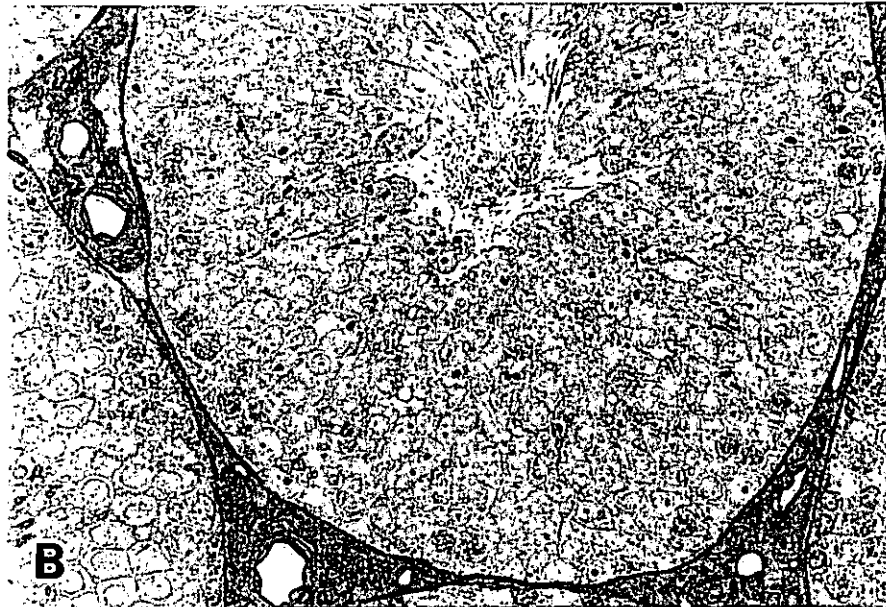
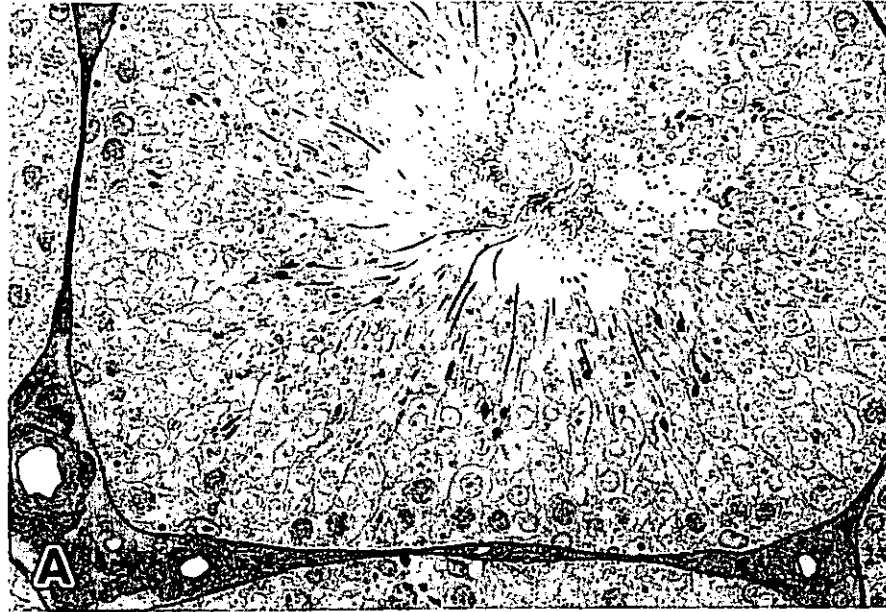


Photo. 11. Light microscopic photographs of stage I and/or II seminiferous tubule showing small round shaped or shortened cell nuclei of the elongated spermatids. Semithin section, toluidine blue stain. x 175.
A: 3.31% HCA treated animal.
B: Positive control animal.

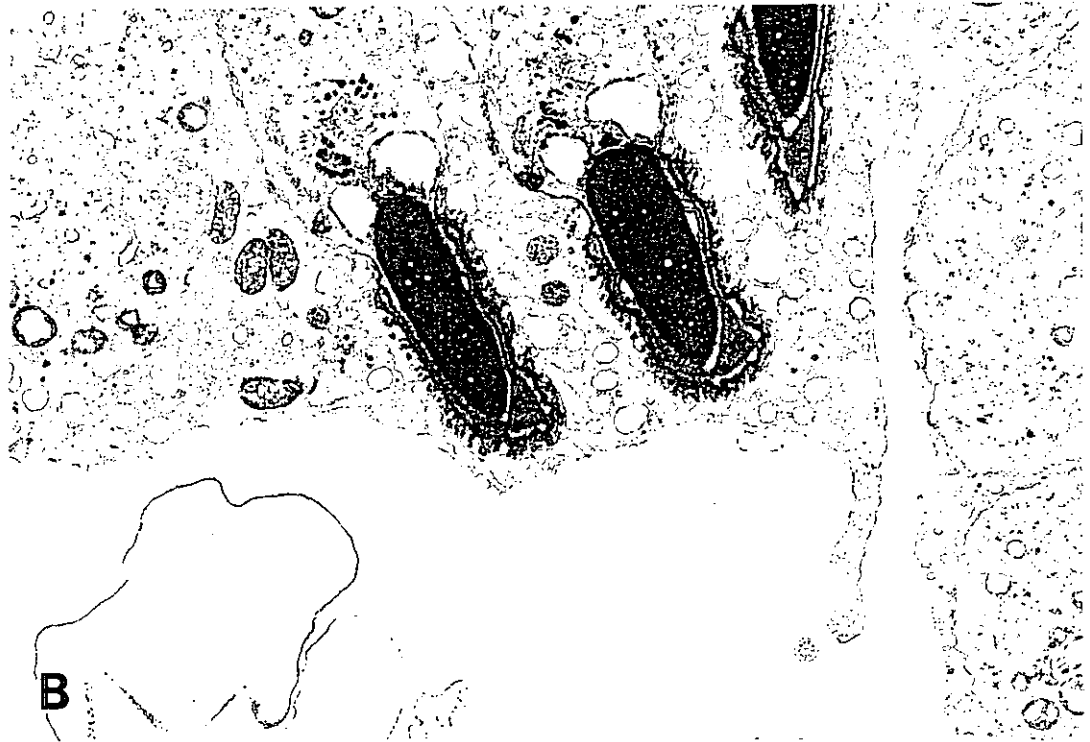


Photo. 12. Electron microscopic photographs of stage I and/or II seminiferous tubules.
A: 3.31% HCA treated animal. Irregular shaped nucleus with dense karyoplasm is noted in the elongated spermatid. x 14,000
B: Positive control animal. Condensation of nuclear chromatin is noted in the elongated spermatid. x 10,000

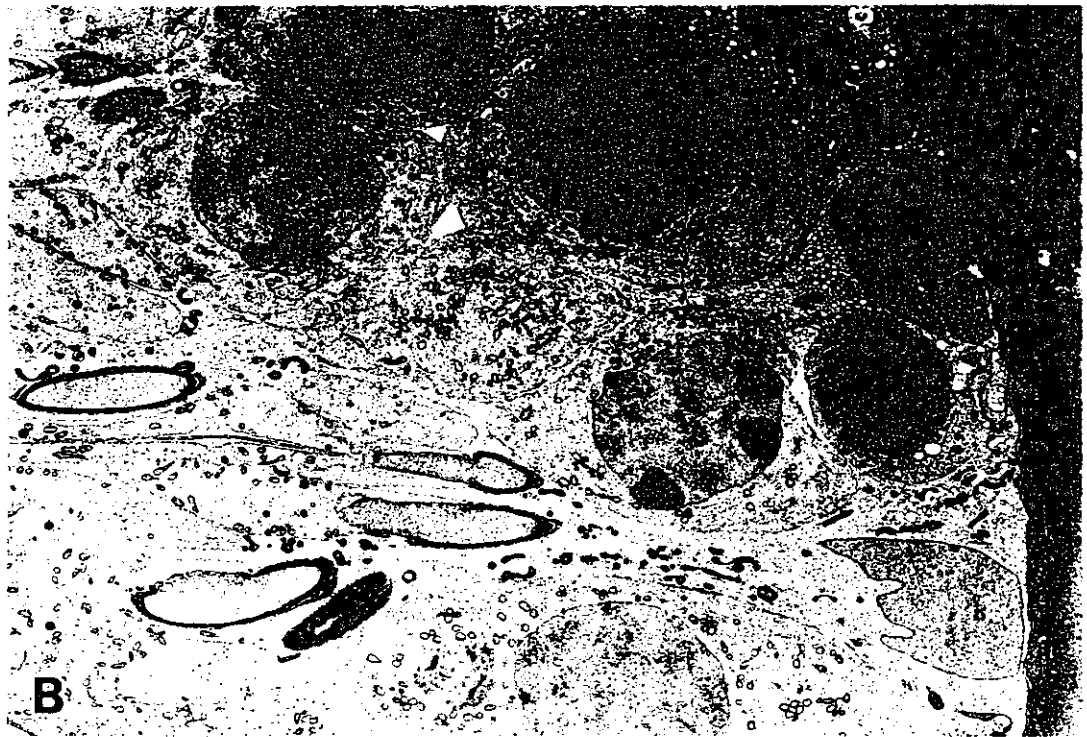
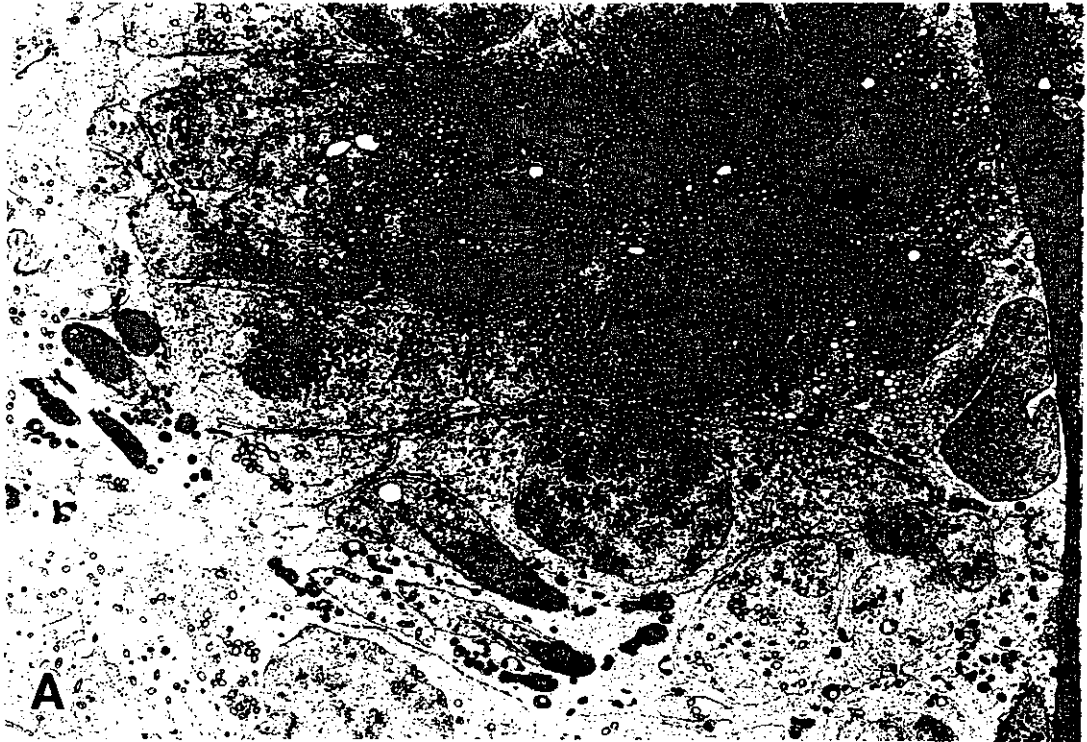


Photo. 13. Electron microscopic photographs of stage XI seminiferous tubules.
No remarkable changes are observed in the Sertoli cells and germ cells of both groups.
A: Control animal. x 2,000
B: 0.66% HCA treated animal. x 2,000

研究成果の刊行に関する一覧表

雑誌

発表者氏名	論文タイトル名	発表誌名	巻号	ページ	出版年
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以降は雑誌/図書等に掲載された論文となりますので
「研究成果の刊行に関する一覧」をご参照ください。