Fertilized Ova in Zona Pellucida of Rat.

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During the examination of periodic acid-SCHIFF’s reaction of uterus I found accidentally the stage of the first segmentation division and this finding seems to me very interest. Five fertilized ova are found attached to the inner surface of Fallopian tube in vicinity to uterus cavity. Every fertilized ovum is divided into two cells and these are enveloped by zona pellucida stained in deep color (three of these fertilized ova are seen in Fig. 1

![Fig. 1. Three fertilized cells in tuba uterina. ×85.](image1)

![Fig. 2. Two cells in zona pellucida. ×400.](image2)
and Fig. 2). Cytoplasm of these cells contains granules reactive to periodic acid-SCHIFF's reaction, however nuclei have no substance stainable due to this reaction. In another section of the same preparation is seen a fertilized ovum divided also in two cells, in one of them are recognized chromosomes intensely stained owing to periodic acid-SCHIFF's reaction (Fig. 3).

![Figure 3](image_url)

Fig. 3. Chromosomes are seen in the divided cell. ×500.

The author has also met with views of epithelia in decidua at sixth day of conception, having stainable chromosomes in their cell-bodies; the stainability of them can be removed by saliva treatment.

It may be noteworthy that nucleus has no matter reactive to periodic acid-SCHIFF's reaction in its inactive stage, although it can have in its active stage.

Literature.

Graumann, W.: Das Vorkommen von Perjodsäure-Leukofuchsins-(PSL-)
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