

It is important to note that in hamsters with comparably sized allotransplanted SV40 tumours and with high titres of antibody to the SV40 T antigen we have found normal serum levels of IgG.

A striking hypergammaglobulinaemia and plasma cell proliferation similar to that in our heterotransplantation system has been reported in ferrets³ and in certain chronic viral infections of animals such as African swine fever⁴, equine infectious anaemia⁵, lymphocytic choriomeningitis in mice⁶, and Aleutian disease of mink⁷. These diseases have a chronic persistence of immunogens which can result in immune complex disease and glomerulonephritis. Hypergammaglobulinaemia and plasma cell proliferation have not, to our knowledge, been reported in a heterotransplantation system. The evolution of these phenomena, as well as their relationship to progressive xenogeneic growth, is presently being studied.

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Erratum

IN the article "General Model for the Replication of Double Stranded DNA Molecules" by Panayiotis Ioannou (*Nature New Biology*, **244**, 257; 1973) several essential features of Fig. 1 were lost on reduction for publication. The revised figure is reproduced below.

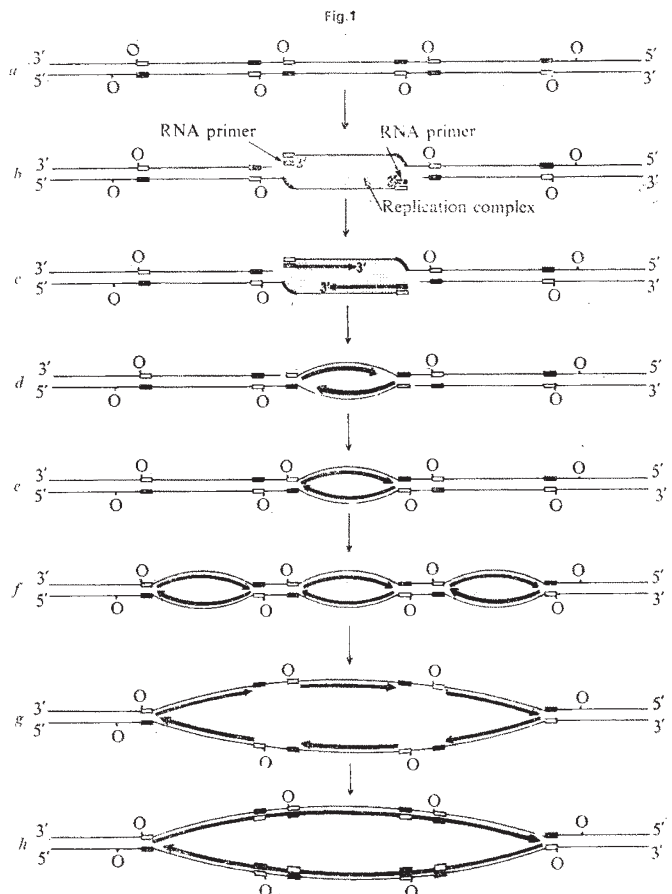


Fig. 1 The basic model for the replication of double stranded DNA molecules. *a*, The arrangement of origin sites (O) and RNA primer coding sequences (—), about fifty nucleotides long, along a double stranded DNA molecule. The two origins in each pair may be about 100 nucleotide pairs apart. The distance between adjacent pairs of origins is called the basic unit of replication or unitron. *b*, The formation of a replication complex covering a complete unitron involves the introduction of transient nicks, synthesis of an RNA primer (indicated by arrows) at the 3' end of each parental strand, and assembly of the complex in which the parental strands are unwound and apposed to each other. *c*, Synthesis of nascent DNA fragments is initiated using the 3'-OH of each RNA primer at the 3' end of each parental strand in the replication complex. *d*, Excision of the RNA primer from the 5' ends of the very short nascent fragments allows the 3' ends of the parental strands to reanneal with their complementary sequences while synthesis of the fragments proceeds to completion. *e*, Ligase repairs the nicks introduced at the O sites during initiation, so that integrity of parental strands is restored, and a microbubble is formed. *f*, Microbubble formation spreads into one or both adjacent unitrons by repeating *b-e*. Microbubbles are separated by duplex regions about 200 nucleotide pairs long. *g*, Unwinding of the duplex regions separating the microbubbles. The nascent DNA pieces on each daughter branch are separated by gaps about 200 nucleotides long. *h*, Repair of these gaps by repairing activities and sealing of nicks by ligase gives intact daughter strands.

Reference Abbreviations

ALL abbreviations of references in *Nature* should now conform to the style of the *World List of Scientific Periodicals*, fourth ed. (Butterworth, 1963-65). Authors submitting manuscripts are asked to ensure that the references are written appropriately.