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RA or SLE. The study tests the hypothesis that having any children who are compatible from the perspective of the mother increases the risk of developing RA or SLE. Results show that having any histocompatible children at HLA-B Page 211/235

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HLA alleles associated with increased risk of SLF contributes to its development among mothers. The alleles investigated include DRB1*03:01, *15:01, *08:01. In addition, the study tests the hypothesis that molecular mimicry by Page 215/235

Download Ebook **Histocompatibility Questions** means of exposure to DRB1*04:01 that codes for a similar amino acid sequence to the Epstein-Barr virus, a known SLE risk factor, increases risk among mothers. There was no association between SLE riskassociated alleles. However, increased Page 216/235

Download Ebook **Histocompatibility Questions** risk of SLE was associated with having at least one child who carried the DRB1*04:01 allele among women negative for the allele but with at least one of the predisposing alleles. This study supports the hypothesis that a child's alleles inherited from the father Page 217/235

Download Ebook **Histocompatibility Questions** influence a mother's subsequent risk of SLE. Chapter 4 investigates the association between having children who carry alleles encoding amino acids (AA) associated with RA including the "shared epitope", the sequence DERAA at AA positions Page 218/235

70-74, AA valine, lysine, alanine at positions 11, 71, 74 of the HLA-DRB1 molecule, aspartic acid at position 9 of HLA-B and phenylalanine at position 8 of DPB1. The study finds increased risk of RA among mothers who had any child Page 219/235

with SE, DERAA, valine, lysine and alanine encoding alleles, independent of maternal carrier status. Among noncarrier mothers, increased risk of RA was associated with having children who carried DERAA. Chapter 5 summarizes the key findings and Page 220/235

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Medical Aspects of Human Reproductive Cloning considers the scientific and medical sides of this issue, plus ethical issues that pertain to human-subjects research. Based on experience with reproductive cloning in animals, the

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