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syndrome is a rare genetic disorder characterized by the presence of multiple café-au-lait spots (café-au-lait macules) on the skin, which are small, brown, and irregularly shaped. The disorder is named after the acronym LEOPARD, which stands for: L (Little person or dwarfism), E (Ectodermal defects), O (Osteodysplasia), P (Pigmentation defects), A (Aortic stenosis), R (Renal disease), and D (Deafness). The disorder is caused by a mutation in the PTPN22 gene, which is located on chromosome 12. The mutation leads to a deficiency of the protein tyrosine phosphatase (PTP) 22, which is a key component of the immune system. This deficiency results in the characteristic skin lesions and other clinical features of the syndrome.