



Successful Fertilization and Pregnancy Following Intracytoplasmic Sperm Injection in Known Case of Kartagener's Syndrome and 100% Asthenozoospermia (Case Report)

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SUMMARY. kartagener's syndrome is a very rare autosomal recessive, genetically inherited disease. It is an abnormality in the ciliary ultrastructure of the lining epithelium of the respiratory tract, uterine tube, and tail of the sperms. It is compromising the triad of chronic sinusitis, bronchitis and situs inversus. The defect in the motility of the cilia result in frequent ear/nose/ throat symptoms, chest infection, and infertility. We report a case of male with such syndrome presented to us with one-year history of primary infertility. The seminal fluid parameter showed total immotile sperms with 70% viability after using hypo-osmotic swelling test (HOST).

RESUMEN. el síndrome del cartagenero es una enfermedad hereditaria genéticamente autosómica recesiva muy rara. Es una anomalía en la ultraestructura ciliar del epitelio de revestimiento de las vías respiratorias, las trompas uterinas y la cola de los espermatozoides. Está comprometiendo la tríada de sinusitis crónica, bronquitis y situs inversus. El defecto en la motilidad de los cilios resulta en síntomas frecuentes de oído/nariz/garganta, infección de pecho e infertilidad. Presentamos un caso de un varón con dicho síndrome que se nos presentó con un año de historia de infertilidad primaria. El parámetro de líquido seminal mostró espermatozoides inmóviles totales con un 70% de viabilidad después de usar la prueba de hinchazón hipoosmótica (HOST).

KEY WORDS: Kartagener's syndrome, primary ciliary dyskinesia, HOST.

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