A Vital Step in Screening Male Fertility

CLINICAL REPORT: Sperm Chromatin Structure Assay (SCSA®)

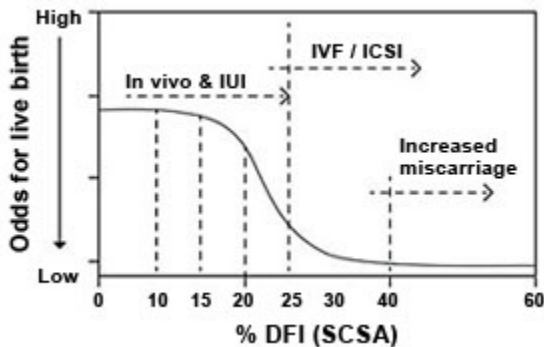|			
Patient:	Ben Ramsden-Stein	**Physician:**	Self
Date of Birth:	Oct 30, 1984	**Clinic:**	N/A
Date of Report:	Feb 24, 2025	**Clinic City, State:**	,
Collection Date:	Feb 13, 2025		

DNA Fragmentation Index (%DFI: % sperm containing measurable DNA damage)

    a. < 15% DFI = Excellent to Good Pregnancy Outcomes (PO) (without female infertility factors)
    b. > 15% to < 25% DFI = Good to Fair PO
   c. > 25% to < 40% DFI = Fair to Poor PO
    d. > 40% DFI = Very Poor PO

When **%DFI** is above 25%, current literature suggests that the patient either try to reduce that number by medical intervention, or change of lifestyle, or skipping IUI and move to IVF/ICSI for increased odds for positive PO.

High DNA Stainability (HDS): % of sperm with immature, abnormal tertiary chromatin structure. Levels at >25% HDS may cause early embryo death in IVF/ICSI and lessen Odds for Good PO.

%DFI vs. Odds for live birth　　　　　**Age of man vs. probability of 25% DFI**
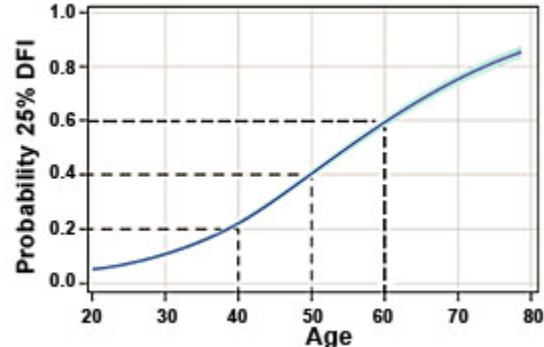
For further details, please see: (1) *DP Evenson, G Djira, K Kasperson, J Christianson. Relationships between the age of 25,445 men attending infertility clinics and sperm chromatin structure assay (SCSA®) defined sperm DNA and chromatin integrity Fertil Steril. 2020; 114:311-320* and

(2) *Evenson, D.P. (2022). Sperm chromatin structure assay (SCSA®) for fertility assessment. Current Protocols, 2, e508.doi:10.1002/cpz1.508*

SCSA® Test Results from Two Independent Measurements

File	% DFI	% HDS
18	20.44	11.80
19	20.22	12.80
mean	**20.3**	**12.3**
std dev	**0.2**	**0.7**

SCSA® Test Results

DFI = 20%　Good to Fair PO　　　　　**HDS = 12%　Normal Range**

Donald Evenson, Ph. D., HCLD
President and Director

Disclaimer - Please consult with your physician or other qualified health care providers regarding questions you may have about your health, infertility options or other medical concerns.