

CLINICAL REPORT: Sperm Chromatin Structure Assay (SCSA[®])

Patient: Benjamin Ramsden-Stein
Date of Birth: Oct 30, 1984
Date of Report: Aug 21, 2024
Collection Date: Aug 17, 2024

Physician: Self
Clinic: N/A
Clinic City, State: ,

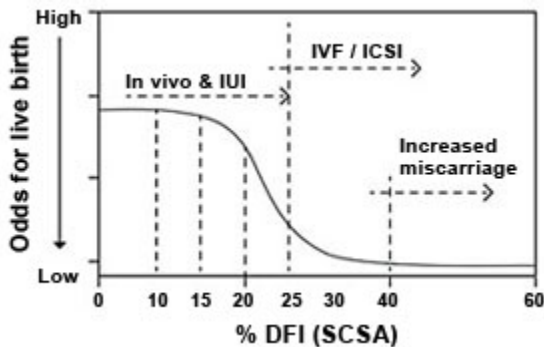
DNA Fragmentation Index (%DFI: % sperm containing measurable DNA damage)

- 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

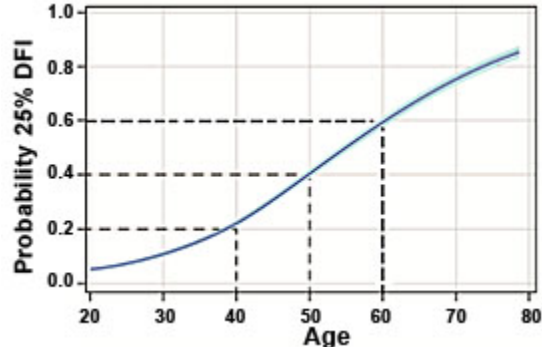
When %DFI is above 25%, current literature suggests that the patient either try to reduce that number by medical intervention, or change of lifestyle, or skipping IUI and move to IVF/ICSI for increased odds for positive PO.

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
22	22.98	12.90
23	21.62	13.00
mean	22.3	13.0
std dev	1.0	0.1

SCSA[®] Test Results

DFI = 22% Good to Fair PO

HDS = 13% 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.