

## CLINICAL REPORT: Sperm Chromatin Structure Assay (SCSA<sup>®</sup>)

**Patient:** Jamison Gagnon  
**Date of Birth:** Mar 08, 1985  
**Date of Report:** Oct 16, 2025  
**Collection Date:** Oct 07, 2025

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

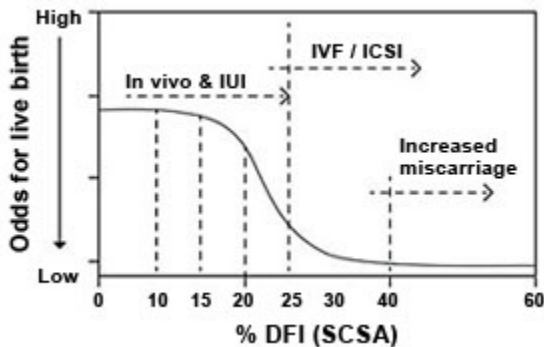
### DNA Fragmentation Index (%DFI: % sperm containing measurable DNA damage)

- 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

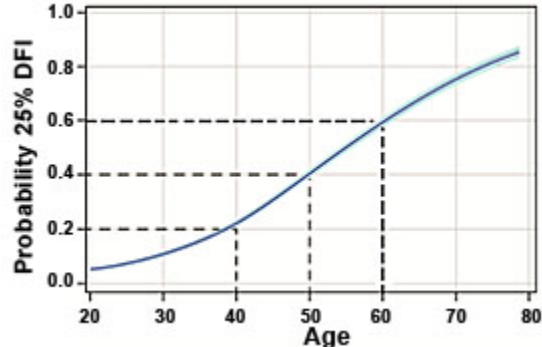
When %DFI is above 25%, current literature suggests that the patient either try to reduce that number by medical intervention, or change of lifestyle, or skipping IUI and move to IVF/ICSI for increased odds for positive PO.

**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<sup>®</sup>) defined sperm DNA and chromatin integrity *Fertil Steril.* 2020; 114:311-320 and

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

### SCSA<sup>®</sup> Test Results from Two Independent Measurements

File	% DFI	% HDS
23	15.40	4.60
24	16.00	4.30
<b>mean</b>	<b>15.7</b>	<b>4.5</b>
<b>std dev</b>	<b>0.4</b>	<b>0.2</b>

### SCSA<sup>®</sup> Test Results

**DFI = 16% Good to Fair PO**

**HDS = 5% 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.