

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

<b>Patient Name/ID:</b>	Bad Sample Report	<b>Physician Name:</b>	Dr
<b>Date of Birth:</b>		<b>Clinic Name:</b>	Andrology Center
<b>Date of Report:</b>	Apr 11, 2022	<b>Clinic Address:</b>	1056/2, Behind Fortune Building Avinashi Road Coimbatore, India 641018
<b>Collection Date:</b>			

**PATIENT  
DETAILS**

**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

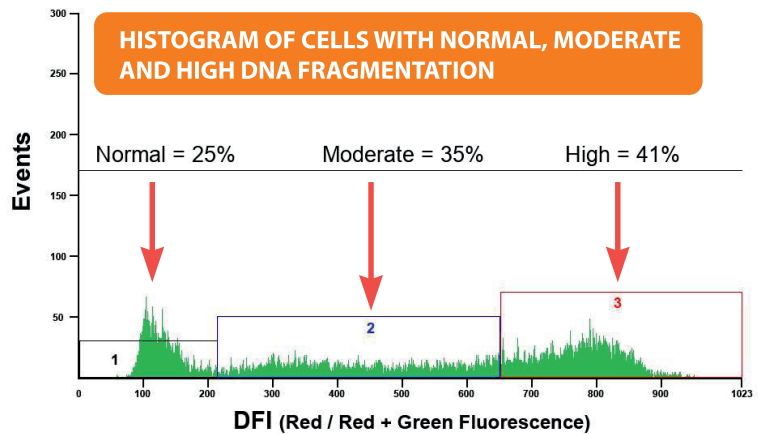
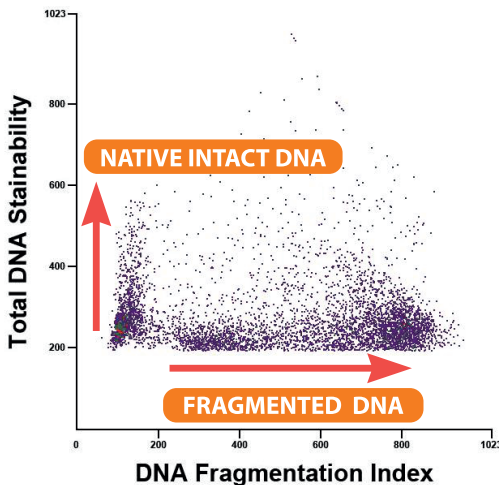
**CLINICALLY RELEVANT THRESHOLD VALUES**

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.

**TREATMENT OPTIONS**

**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.

**HDS EXPLANATION**



File	% Total	% Moderate	% High	% HDS	Mean DFI	SD DFI
133697	75.11	34.25	40.86	3.60	496.89	95.51
133698	75.09	34.81	40.28	3.55	494.83	103.32
<b>mean</b>	<b>75.1</b>	<b>34.5</b>	<b>40.6</b>	<b>3.6</b>	<b>495.9</b>	<b>99.4</b>
<b>std dev</b>	<b>0.0</b>	<b>0.4</b>	<b>0.4</b>	<b>0.0</b>	<b>1.5</b>	<b>5.5</b>

**DATA FROM DUPLICATE MEASUREMENTS**

**SCSA<sup>®</sup> Test Results**

**TOTAL DNA FRAGMENTATION INDEX**

**% DFI = 75%**

**Very poor PO**

**TOTAL HDS**

**% HDS = 4%**

**Normal Range**

**ASSESSMENT OF SPERM DNA QUALITY**

**Dr. Tara Mahendran, PhD, Scientific 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.*