

Patient Name: **Lindsay, Nadine****PATHOLOGY REPORT**Accession **1683733**

PHYSICIAN	PATIENT	SPECIMEN
Physician: Morris, Jerrine Client: Shady Grove Fertility	Name: Lindsay, Nadine DOB: 09/06/1978 Age: 46 Sex: F	Result ID: SC25-001066 Date of Report: 03/23/2025 21:42 Date Collected: 03/19/2025 Date Received: 03/20/2025 09:52

CLINICAL HISTORY

Natural Cycle Bx Ovulation: 3/10/2025. Suspect/Rule out Endometriosis.

RECEPTIVDX FINAL DIAGNOSIS**UTERUS, ENDOMETRIUM, BIOPSY:**

- **SECRETORY ENDOMETRIUM**
- **BCL6: POSITIVE FOR OVEREXPRESSION**
- **CD138: NEGATIVE FOR ENDOMETRITIS**

INTERPRETATION:

The biopsy shows secretory endometrium with day 22-23 histologic features. There are no CD138 positive plasma cells in the endometrial stroma which rules out a diagnosis of chronic endometritis (1). There is nuclear overexpression of BCL6 (H-score = 3.8) in the endometrial glandular epithelial cells which is associated with the presence of endometriosis or hydrosalpinges (2,3).

Reference:

- 1) Evans-Hoeker, et al. Reproductive Sciences 23(9), 1234–1241, 2016. <https://doi.org/10.1177/1933719116649711>
- 2) Almquist, LD et al. Fertility and sterility 108,6:1063-69, 2017. <https://doi.org/10.1016/j.fertnstert.2017.09.017>

Marker	Result	Threshold for Positivity
BCL-6	3.8	≥ 1.4
CD138	No Clusters of CD138 Positive Plasma Cells Present	CD138 Positive Plasma Cells in Clusters

Immunohistochemistry is performed on sections of formalin-fixed, paraffin-embedded tissue incubated with the designated antibody which is then localized by a non-biotin, dual polymer detection system. These tests have been optimized and validated for use at Pathline and are interpreted in the context of appropriate internal and external controls.

GROSS DESCRIPTION

Received in formalin labeled with the patient's name and date of birth are multiple irregular fragments of soft tan to light brown tissue measuring 0.6 x 0.5 x 0.2 cm in aggregate. The specimen is entirely submitted in one cassette.

Electronically Signed By:

Gregory Henderson, MD, PhD on 03/23/2025 21:42

Patient Name: **Lindsay, Nadine**Accession **1683733**

CLINICAL INFORMATION

ReceptivaDx™ - BCL6 Analysis

93% sensitivity & 96% specificity for endometriosis**Patients testing positive for BCL6:**

- Less than 12% chance of successful pregnancy in future IVF transfer attempts without treatment intervention of the uterine lining (surgery or hormone suppression therapy)
- Published data on women with previous transfer failure history has demonstrated 60 days of hormone suppression therapy or laparoscopy can help more than 60% of women achieve pregnancy and a live birth in the first transfer attempt after treatment

Patients testing negative for BCL6:

- Assured that uterine lining is not likely cause of infertility issues
- Published data demonstrates success rates in future transfer attempts to be as high or higher than general IVF patient population

TREATMENT OUTCOME DATA:

SHARED EXPERIENCE PROGRAM - [https://www.fertstert.org/article/S0015-0282\(20\)30126-6/fulltext](https://www.fertstert.org/article/S0015-0282(20)30126-6/fulltext)

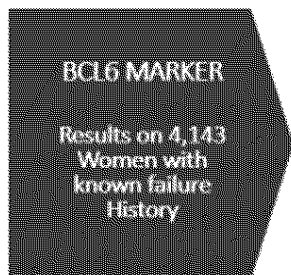
Cicero Diagnostics recently published cumulative data from seven major fertility centers supporting earlier publications on the value of BCL6 testing in women with unexplained infertility going through IVF. Fertility Center Contributors included: (1) NYU Langone Fertility Center (2) NYU Langone Fertility Center ACWS (3) CCRM Fertility Center NY (4) CCRM Fertility Center SF (5) Central Coast Fertility (6) FCI Fertility Center Buffalo Grove (7) Nashville Fertility Center

Shared Experience Study Highlights:**Positive BCL6 results treated with either laparoscopy or GnRH agonist showed improved outcomes:**

- 79% Pregnancy rate
- 64% Live Birth Rate

BCL6 positive patients treated with Lupron showed the highest pregnancy rates:

- 81% Pregnancy rate
- 68% Live birth rate



Implantation Failure History	# Tested	# Testing Positive	# Testing Negative
1 - 2 Failed Transfers	2963	51%	49%
3 - 4 Failed Transfers	800	56%	44%
5 + Failed Transfers	380	71%	29%

Data provided by Cicero Diagnostics

Testing performed at Pathline, LLC, 535 E. Crescent Avenue, Ramsey, NJ 07446 Gregory S. Henderson, MD, PhD, Medical Director CLIA # 31D2050001Lindsay, Nadine
SC25-001066