> Report Guide

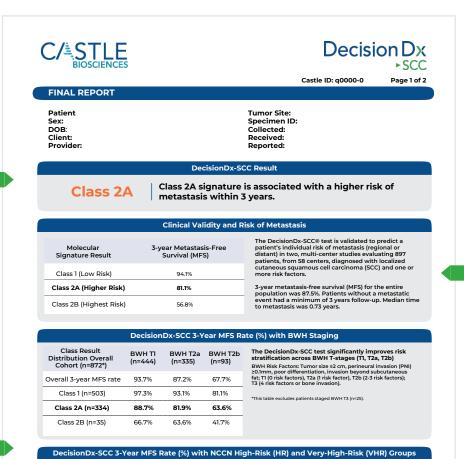
TEST RESULT AND RESULT DESCRIPTION

The test result for DecisionDx-SCC. is reported as a classification of the gene expression profile result. Results are reported as:

- Class 1 Low risk <7% risk of metastasis
- · Class 2A Higher risk ~20% risk of metastasis
- Class 2B Highest risk >45% risk of metastasis

3-YEAR MFS RATE USING DECISIONDX-SCC IN CONJUNCTION WITH **BWH STAGING AND NCCN RISK GROUPS**

DecisionDx-SCC is an independent predictor of metastatic risk and can be combined with BWH staging or NCCN risk groups. Integration of DecisionDx-SCC with BWH or NCCN significantly improves the accuracy of risk stratification allowing more precise treatment decisions.



VALIDATION AND SUPPORTING DATA

Decision Dx-SCC is validated to predict individual risk of metastasis within 3 years of diagnosis for patients with SCC and one or more risk factors

- · Clinically validated in 897 patients in two, independent, multi-center studies with 3-year outcomes
- DecisionDx-SCC is the strongest independent predictor of SCC metastasis
- Test result adds significant information for SCC management

Class Result Distribution Overall Cohort (n=882**)	NCCN HR (n=570)	NCCN VHR (n=312)
Overall 3-year MFS rat	e 93.5%	76.0%
Class 1 (n=498)	97.0%	85.4%
Class 2A (n=347)	88.4%	72.2%
Class 2B (n=37)	69.2%	50.0%

stratification across NCCN HR and VHR patients NCCN HR factors: Tumor size >2cm-s4cm, tumor location on the head, neck, hands, genitals, feet or pretibial surface (areas H or M), poorly defined, immunosuppression, rapidly growing tumor, prior radiation therapy or chronic inflammation, neurological symptoms, 2-6mm depth, select histologic

The DecisionDx-SCC test significantly improves risk

NCCN VHR Factors: Tumor size >4 cm (any location), poor differentiation, desmoplastic SCC, >6mm or invasion before statements for invasion (PNI) > 0.1mm, lymphatic or vascular involvement.

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Risk Factor

Class 1

Class 2A

Class 2B

Tumor Thickness (>6mm)

Poor Differentiation

Immunosuppression

Diameter (2-4 cm)

Invasion beyond subcuaneous fat

Perineural involvement (>0.1 mm)

Decision Dx

Castle ID: q0000-0

This table presents multivariate risk of metastasis for individuals with a

specific high-risk factor as hazard ratios (HR). In this analysis, HR

represents independent risk added by each variable, and cumulative

For example: A Class 2A result (2.21

HR) with poor differentiation (2.82 HR) would result in a HR of 6.23

Multivariate analysis demonstrated independence of Class 2A and Class

4.90, respectively). Tumor thickness (2.93), poor differentiation (2.82) and immunosuppression (2.17) were also

2B molecular results (HR 2.21 and

statistically significant.

(2.21 x 2.82) as these values are

risk when multiple risk factors are present can be assessed by

multiplying the HRs.

Page 2 of 2

MULTIVARIATE COMPARISION WITH TRADITIONAL RISK FACTORS

Multivariate analysis shows DecisionDx-SCC provides the strongest independent prognostic information as defined by hazard ratio (HR). HRs are multiplicative in determining risk of metastasis

- Class 2A risk is similar to the strongest established prognostic risk factors (tumor thickness, poor differentiation, immunosuppression)
- Class 2B is the strongest predictor of metastatic risk
- Example: A Class 2A result (2.21 HR) with poor differentiation (2.82 HR) would result in a HR of 6.23 (2.21x2.82) for the patient as these values are multiplicative

Additional information

SCC test and references, scan

the QR code below.

For additional information about the development and validation of the DecisionDx-

ABOUT THE TEST

- DecisionDx-SCC is a gene expression profile test consisting of 40 genes (34 discriminant and 6 control)
- RT-PCR technology is used to measure gene expression levels of the discriminant genes which are normalized to the control genes

About the Test

The DecisionDx-SCC test is a qRT-PCR assay of 6 control and 34 discriminant genes (40 in total) that uses a neural network algorithm comprised of two gene expression signatures to classify patients into risk categories. The algorithmic score from both signatures is converted to results reflecting risk classification. DecisionDx-SCC is indicated for patients with cutaneous squamous cell carcinoma (SCC) and one or more high-risk factors (see Test Requisition Form). The test predicts individual metastatic risk to help inform risk appropriate management.

Multivariate Comparison with Clinicopathologic Risk Factors

p-Value

< 0.001

<0.001

<0.001

<0.001

<0.001

ns

ns

ns

Hazard Ratio (HR) with

DecisionDx-SCC

2.21

4.90

2.93

2.82

2.17

1.83

0.65

1 31

The 34 discriminating genes are: ACSBG1, ALOX12, APOBEC3G, ATP6V0E2, BBC3, BHLHB9, CEP76, DUXAP9, GTPBP2, HDDC3, ID2, LCE2B, LIME1, LOCI00287896, LOCI01927502, MMP10, MRC1, MSANTD4, NFASC, NFIC, PDPN, PI3, PLS3, RCHY1, RNF135, RPP38, RUNX3, SLC1A3, SPP1, TAF6L, TFAP2B, ZNF48, ZNF496 and ZNF839. Six control genes consist of BAG6, FXR1, KMT2C, KMT2D, MDM2, MDM4.

For additional information about the development, validation and clinical use of the DecisionDx-SCC test, including references, scan the QR code below.



<Signature>

Castle Biosciences, Inc. | Sherri Borman, PhD, HCLD, Lab Director



This test was developed and its performance characteristics determined by Castle Biosciences Inc. It has not been cleared or approved by the FDA. The laboratory is regulated under CLIA as qualified to perform high-complexity testing. This test is used for clinical purposes. It should not be regarded as investigational or for research.

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