ONCONOSTIC TEST REPORT
超微全癌精測報告報告範本

Patient:	Client/Hospital ID:
Age: 47 歲	Treating Physician:
Sex: Male	Specimen ID: DX#
Order Received: 2022//	Sampling Date: 2022//
Lab Requisition #:	
Specimen Type: Touch Exosome DNA	
Date Reported:	
Clinical Indication:	

RESULTS:

ONCO-STATUS ASSESSMENT

mRNA BIOMARKER	SIGNIFICANCE*	G-SCORE	T-SCORE	ONCO-SCORE	G-SCORE RANGE	T-SCORE RANGE
FHIT/BRCA	Genome Instability 基因組穩定性	14	0	14	*0~20*	*0~ -6*
CYCLIN D1 **CDKN2A (p16)**	Tumor Initiation (Unlimited Multiplication) 腫瘤生成	14	-3	11	*0~20*	*0~ -6*
CST E/M **CDKN2B (p15)** **C-MYC**	Tumor Proliferation, Migration and Invasion 腫瘤增殖	21	0	21	*0~30*	*0~ -9*
APE1/Ref-1 **DcR2**	Apoptosis 腫瘤細胞凋亡	7	0	7	*0~10*	*0~ -6*
ERBB2 **miR-221**	Distant Metastasis 遠距臟器轉移	14	0	14	*0~20*	*0~ -6*
GRANZYME B	T cell Exhaustion (Immune Evasion) 免疫規避	7	-3	4	*0~10*	*0~ -3*
TOTAL		77	-6	**71**	*0~110*	*0~ -36*
GENOMIC STRESS LEVEL		**LOW-LEVEL GENOMIC STRESS 低度基因壓力**				

***mRNA biomarker 過度表達時， 對應的主要分子病理特徵**

(ONCOSCORE 評比範圍： 0 至 110 分）
0 分 至 24 分: 極度基因壓力， 惡性腫瘤高度風險
25 分 至 49 分: 高度基因壓力，惡性腫瘤高度風險
50 分 至 64 分: 中度基因壓力，惡性腫瘤高度風險
65 分 至 79 分: 低度基因壓力，惡性腫瘤低度風險
80 分 至 110 分: 無基因壓力，無惡性腫瘤風險

ORGAN VULNERABILITY & RISK ASSESSMENT（臟器脆弱性及風險評估）

MALIGNANCY	ORGAN							
	LUNG 肺	MESOTHELIOMA 間皮瘤	COLON 結腸	GASTRIC 胃	ESOPHAGUS 食道	BLADDER 膀胱	TESTES 睾丸	PROSTATE 前列腺
Aggressiveness* 侵略性	±	-	-	±±	-	-	-	-
Distant** Metastasis 遠距轉移	-	-	-	-	-	-	-	-

MALIGNANCY	ORGAN							
	LIVER 肝	CHOLANGIOCARCINOMA 膽道癌	PANCREAS AMPULLA 胰、壺腹	THYROID 甲狀腺	NET 神經內分泌	KIDNEY 腎	NSP 鼻咽癌	LYMPHOMA 淋巴瘤
Aggressiveness* 侵略性	-	-	±	-	-	-	-	-
Distant** Metastasis 遠距轉移	-	-	-	-	-	-	-	-

***當特定臟器侵略性欄位為"±" 時，該臟器目前已出現慢性炎症，"良性增殖風險".**
***當特定臟器侵略性欄位為" +" 時，該臟器目前已出現癌變，"惡性增殖風險" <30%.**
***當特定臟器侵略性欄位為" ++" 時，該臟器目前已出現癌變，"惡性增殖風險" ≥30%.**
***當特定臟器侵略性欄位為" +++" 時，該臟器目前已出現癌變，"惡性增殖風險" ≥60%.**
****當特定臟器遠距轉移欄位為" +" 時，該臟器目前已出現遠距轉移，"多發轉移風險" ≤ 60%.**
****當特定臟器遠距轉移欄位為" ++" 時，該臟器目前已出現遠距轉移，"多發轉移風險" >60%.**

INTERPRETATION

亞健康，"良性腫瘤增殖晚期風險"

年齡差*	+ 3
生日年齡 = 47 YEARS OLD	老化年齡 = 50±1 YEARS OLD

*當老化年齡顯著大於生日年齡表示生理已呈現系統性衰老，負面影響預後與治療效果。

分子病理二期
LOW RISK FOR MALIGNANT TUMOR GROWTH
惡性腫瘤低度風險

分子病理五期 (Molecular Pathological Stage V)：癌變發展三期，惡性腫瘤高度風險
分子病理四期 (Molecular Pathological Stage IV)：癌變發展二期，惡性腫瘤高度風險
分子病理三期 (Molecular Pathological Stage III)：癌變發展一期，惡性腫瘤高度風險
分子病理二期 (Molecular Pathological Stage II)：亞健康，惡性腫瘤低度風險
分子病理一期 (Molecular Pathological Stage I)：健康，無風險

RECOMMENDATION

Regular checkup for all major cancers every 6 months.

建議每 6 個月作一次全面惡性腫瘤檢測

PRINCIPLE

OncoNostic Test is a differential DNA energetics assay for the qualitative detection of distinct energetic variants of cancer-associated alleles in circulation exosome derived from patient's finger touch sample. The test panel covers critical regulatory genes associated with tumor initiation, proliferation, migration, invasion, apoptosis, metastasis and immune evasion. Test results are compiled into a composite index to underscore the molecular pathological stages common to cancer staging.

OncoNostic Test 是一種 DNA 能量差異分析法，用於定性檢測來自患者手指表皮樣本中外泌體內與癌症相關特定能量變異的等位基因。全套測試涵蓋了腫瘤的發生、增殖、遷移、侵襲、細胞凋亡、轉移和免疫逃脫相關的關鍵調節基因， 並將測試結果彙編成複合指數，以便凸顯癌症分期常見的分子病理階段。

OncoNostic Test is a real-time cancer risk assay, encompassing the majority of cancer indications such as unlimited multiplication, escaping from growth suppressors, promoting invasion and metastasis, resisting apoptosis, evading immune destruction, genome instability and tumor-enhanced inflammation.

OncoNostic Test 是癌症實時風險的檢測，含括癌症大多的徵候，例如無限繁殖，生長抑制因數逃脫，侵襲和轉移，抵抗細胞凋亡，逃避免疫破壞，基因組不穩定性和腫瘤增強性炎症。

As a first-line cancer screening test, OncoNostic Test checks organ-specific vulnerability for all 18 types of cancer. The Test has been extensively validated using clinical samples for its diagnostic sensitivity and specificity, which is tabulated below.

作為第一線癌症篩查檢測，OncoNostic Test 檢查所有 18 種癌症的器官特異性脆弱性。經臨床樣本的廣泛驗證，其診斷敏感性和特異性，如下表所示。

PERFORMANCE CHARACTERISTICS

Following study is based on 1780 validated samples for patients between 25 to 75 years old.

OncoNostic Test		VALIDED SAMPLES		TOTAL
		POSITIVE	NEGATIVE	
OncoScore	< 65	866	4	870
	≥ 65	12	898	910
TOTAL		878	902	1780

Sensitivity: 98.6% 靈敏度 | **Specificity: 99.5%** 特異性 | **PPV: 99.5%** 陽性預估值 | **NPV: 98.7%** 陰性預估值

COMMENTS

OncoNostic Test is a pan-cancer test and can be used as a first-line screening for all known types of cancer. The specificity of the test is 99.5% based on an in-house clinical study with validated cancer patients. Under optimum condition, the NPV and PPV of OncoNostic Test are 98.7% and 99.5%, respectively.

OncoNostic Test 是一種廣譜癌檢測，是對所有已知類型癌症的第一線篩查。經過內部臨床驗證研究，該檢測的特異性為 99.5%。在優化條件下，OncoNostic Test 的陰性預測值和陽性預測值分別為 98.7%和 99.5%。

*Onconostic Test should be used in conjunction with additional clinical diagnostic procedures for any medical decisions. Like other laboratory tests, OncoNostic Test must be ordered by an authorized healthcare provider.
* OncoNostic Test應與其他臨床診斷程序結合使用，以做出任何醫療決定。如同其他測試，OncoNostic Test 須由授權的醫療保健院所建議使用。

**Deviations from the "Sample Collection Procedure" recommended for the Onconostic Test may compromise its overall accuracy.
**偏離 Onconostic Test 檢測所規範的"採樣操作步驟" 可能會影響其整體準確性。

Sign: ***BING LING, MD*** Date: 2022/ /

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