

臨床病理部公告

編號：CP-An-111-22

主旨：檢驗項目「抗細胞核抗體 Antinuclear Ab」異動報告格式

執行院區：■永康 ■柳營 ■佳里 ■樹林院區 ■南科

受文單位：全院各臨床單位

內容：

1. 檢驗項目「抗細胞核抗體 Antinuclear Ab」(計價碼 12053)之報告格式，將依據 ICAP (International Consensus on Antinuclear Antibody Patterns)國際共識異動。
2. 報告格式參見下頁附表。
3. 另可參見附件 ANA ICAP pattern 對照表。

執行日期：111 年 10 月 03 日起

聯絡單位：永康 特殊檢驗 組；分機：53697、53696

柳營 血庫免疫 組；分機：73675-6

佳里 檢驗科；分機：33280

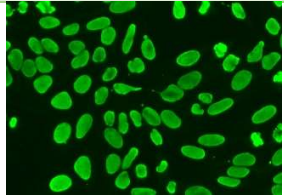
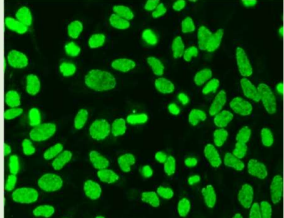
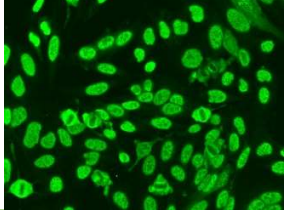
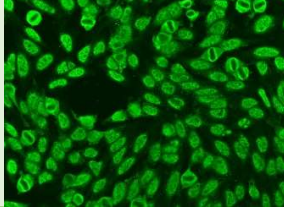
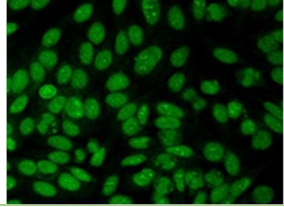
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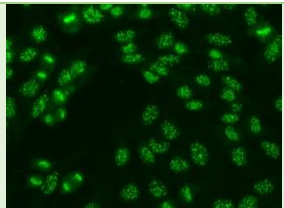
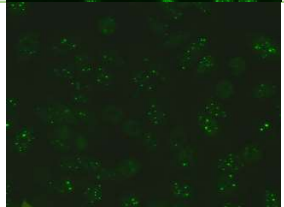
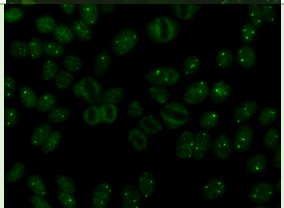
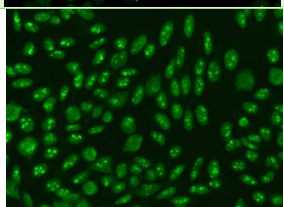
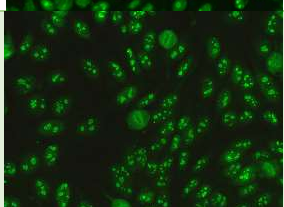
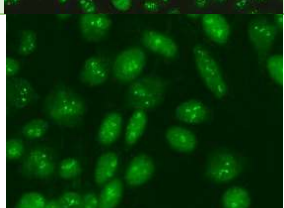
本通告除給予各受文單位外同時於臨床病理部網站最新消息公告
需要時以電子郵件方式通知各主治醫師

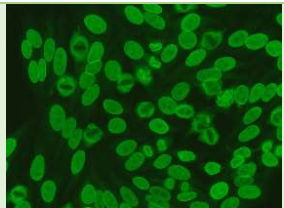
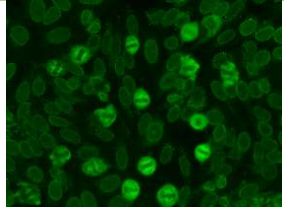
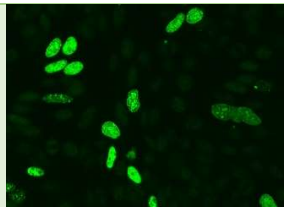
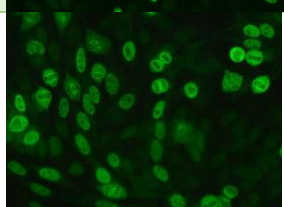
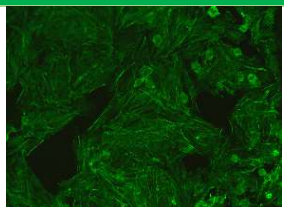
計價碼	檢驗項目	檢驗結果	說明	備註
12053	Antinuclear Ab	Negative	無特異性螢光反應	
		Positive	有特異性螢光反應	
Positive 個案展開項：				
99651	Homogeneous AC-1	1:40、 1:80、 1:160、 1:320、 1:640、 1:1280、 1:2560、 >1:2560	特異性螢光反應之 效價	大於等於 1:160，為 臨床建議 有意義之 效價。
99652	Dense fine speckled AC-2			
99653	Centromere AC-3			
99654	Speckled AC-4/5			
99655	Fine speckled AC-4			
99656	Large speckled AC-5			
99657	Nuclear dots AC-6/7			
99658	Multiple nuclear dots AC-6			
99659	Few nuclear dots AC-7			
99660	Nucleolar AC-8/9/10			
99661	Homogeneous nucleolar AC-8			
99662	Clumpy nucleolar AC-9			
99663	Punctate nucleolar AC-10			
99664	Nuclear envelope AC-11/12			
99665	Smooth nuclear envelope AC-11			
99666	Punctate nuclear envelope AC-12			
99667	PNCA-like AC-13			
99668	CENP-F-like AC-14			
99669	Cytoplasmic AC-15~20			
99670	Cyto. fibrillar linear AC-15			
99671	Cyto.fibrillar filamentous AC-16			
99672	Cyto. fibrillar segmental AC-17			
99673	Cyto. discrete dots AC-18			
99674	Cyto. dense fine speckled AC-19			
99675	Cyto. fine speckled AC-20			
99676	Cytoplasmic AMA AC-21			
99677	Golgi-like AC-22			
99678	Rods and rings AC-23			
99679	Mitotic AC-24~28			
99680	Centrosome AC-24			
99681	Spindle fibers AC-25			
99682	NuMA-like AC-26			
99683	Intercellular bridge AC-27			
99684	Mitotic chromosomal AC-28			
99685	Topo-1-like AC-29			

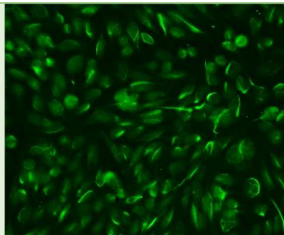
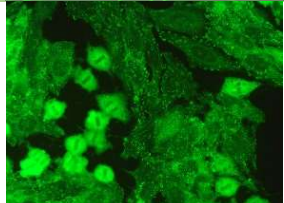
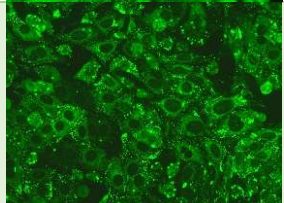
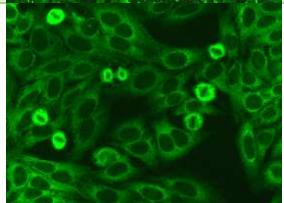
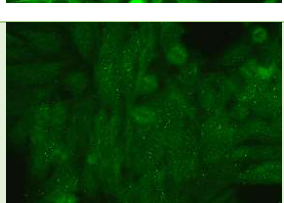
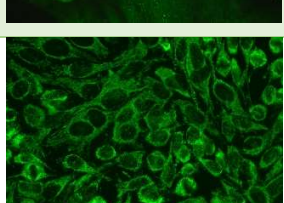
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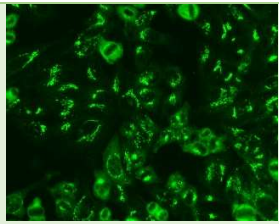
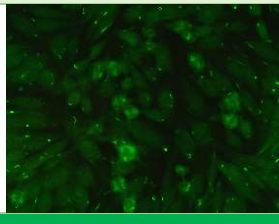
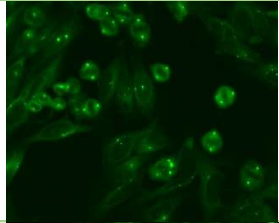
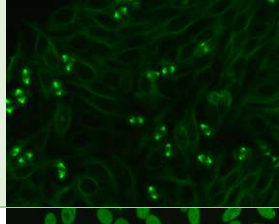
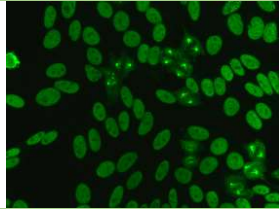
ANA ICAP pattern 對照表

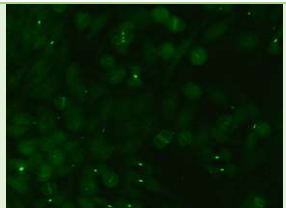
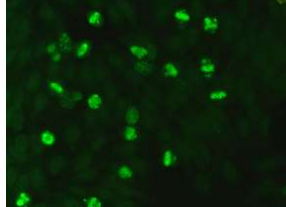
Anti-nuclear antibodies 抗核抗體 (AC-1~14, AC-29)				
範例圖片	ICAP 核型 (AC 代碼)	抗原相關性	疾病相關性	Follow-up tests
	Homogeneous AC-1	dsDNA, nucleosomes, histones	紅斑性狼瘡 (SLE)、藥物造成紅斑性狼瘡 (drug-induced lupus)、幼年特發性關節炎 (juvenile idiopathic arthritis)	Anti-dsDNA (12060) Anti-Nucleosome Anti-Histone
	Dense fine speckled AC-2	DFS70/LEDGF	常出現於正常人，少見於紅斑性狼瘡 (SLE)、修格蘭氏症 (SjS)、系統性硬皮症 (SSc)	Anti-DFS-70
	Fine speckled AC-4	SS-A/Ro (Ro60), SS-B/La, Mi-2, TIF1γ, TIF1β, Ku, RNA helicase A, replication protein	修格蘭氏症 (SjS)、紅斑性狼瘡 (SLE), 皮肌炎 (DM)、硬皮症/多發性肌炎重疊綜合症 (SSc/PM overlap)	Anti-SSA/SSB (12064) Myositis Profile
	Large speckled AC-5	hnRNP, U1RNP, Sm, RNA polymerase III	混和性結締組織疾病 (MCTD)、紅斑性狼瘡 (SLE)、系統性硬皮症 (SSc)	Anti-Sm/RNP (12173-1)
	Topo-1-like AC-29	DNA topoisomerase I	系統性硬皮症 (SSc) (多以瀰漫型 Diffuse 為主)	Anti-Scl-70 (12174)

	Centromere AC-3	CENP-A/B (C)	限制型系統性硬皮症 (Limited cutaneous SSc)、原發性膽管性膽管炎 (PBC)、CREST 症候群	Anti-CENP-B
	Multiple nuclear dots AC-6	Sp100, PML proteins, MJ/NXP-2	原發性膽管性膽管炎 (PBC)、全身性自體免疫風濕疾病(SARD)、多發性肌炎/皮肌炎(PM/DM)	ALD profile (12056/12057) Myositis Profile
	Few nuclear dots AC-7	P80-coilin, SMN	修格蘭氏症 (SjS)、紅斑性狼瘡 (SLE)、系統性硬皮症 (SSc), 多發性肌炎(PM)、無症狀的個體 (asymptomatic individuals)	無
	Homogeneous nucleolar AC-8	PM/Scl-75, PM/Scl-100, Th/To, B23/nucleophosmin, nucleolin, No55/SC65,	系統性硬皮症 (SSc)、系統性硬皮症/多發性肌炎重疊綜合症 (SSc/PM overlap)	Myositis panel
	Clumpy nucleolar AC-9	U3-snoRNP/fibrillarin	系統性硬皮症 (SSc)	SSc profile
	Punctate nucleolar AC-10	RNA polymerase I, hUBF/NOR-90	系統性硬皮症 (SSc), 修格蘭氏症 (SjS)	SSc profile

	Smooth nuclear envelope AC-11	Lamins A, B, C, or lamin- 相關蛋白	紅斑性狼瘡 (SLE)、修格蘭氏症 (SjS)、血清學陰 性關節炎 (seronegative arthritis)	ALD Profile (12056/12057)
	Punctate nuclear envelope AC-12	核孔相關蛋白(i.e., gp210)	原發性膽管性膽管炎 (PBC)	ALD Profile (12056/12057)
	PNCA-like AC-13	PCNA	紅斑性狼瘡 (SLE), 或其他情況	無
	CENP-F-like AC-14	CENP-F	癌症、或其他情況	無
抗細胞質抗體 (AC-15~AC23)				
	Cyto. fibrillar linear AC-15	Actin, non-muscle myosin MCTD	混和性結締組織疾病 (MCTD)、慢性活動性肝炎 (chronic active hepatitis, CAH)、肝硬化 (liver cirrhosis)、重症肌無力 (myasthe gravis)、克 隆氏症(Crohn' s disease)、原發性膽源性膽管 炎(PBC)、長期血液透析, 少見於 SARD 和其類 型的 MCTD 病人	ASMA (12057)

	Cyto.fibrillar filamentous AC-16	Vimentin, cytokeratins (細胞角蛋白)	感染或發炎、長期血液透析、酒精性肝炎、全身性風濕性疾病 (SARD)、乾癬 (psoriasis)、健康陽性對照組	ASMA (12057)
	Cyto. fibrillar segmental AC-17	Alpha-actinin, vinculin, tropomyosin	重症肌無力 (Myasthenia gravis)、克隆氏症 (Crohn' s disease)、潰瘍性結腸炎 (ulcerative colitis)	ASMA (12057)
	Cyto. discrete dots AC-18	SGW182, Su/Ago2, Ge-1	原發性膽管性膽管炎 (PBC)、全身性風濕性疾病 (SARD)、神經相關、自體免疫情況	無
	Cyto. dense fine speckled AC-19	PL-7, PL-12, ribosomal P proteins	抗合成酶抗體症候群 (anti-synthetase syndrome)、多發性肌炎/皮肌炎 (PM/DM)、系統性紅斑性狼瘡 (SLE)、幼年型紅斑性狼瘡 (juvenile SLE)、神經精神性紅斑性狼瘡 (neuropsychiatric SLE)	Myositis Profile Anti-ribosomal P (12156)
	Cyto. fine speckled AC-20	Jo-1/histidyl-tRNA synthetase	抗合成酶抗體症候群 (anti-synthetase syndrome)、多發性肌炎/皮肌炎 (PM/DM)、原發性肋膜積液 (idiopathic pleural effusion)	Myositis Profile Anti-Jo-1 (12154)
	Cytoplasmic AMA AC-21	PDC-E2/M2, BCOADC-E2, OGDC-E2, E1α subunit of PDC, E3BP/protein X	常見於原發性膽管性膽管炎 (PBC)、系統性硬皮症 (SSc)、少見於其他全身性風濕性疾病 (SARD)	Mitochondrial Ab (AMA) (12056)

	Golgi-like AC-22	Giantin/macrogolgin, golgin-95/GM130, golgin-160, golgin-97, golgin-245	少見於修格蘭氏症 (SjS) 、紅斑性狼瘡 (SLE) 、風濕性關節炎 (RA) 、混和性結締組織疾病 (MCTD) 、肉芽腫併多發性血管炎 (GPA) 、特發性小腦共濟失調 (idiopathic cerebellar ataxia, IDCA) 、副腫瘤性小腦病變 (paraneoplastic cerebellar degeneration, PCD) 、病毒感染	無
	Rods and rings AC-23	IMPDH2, 其他	接受干擾素 (IFN/ribavirin) 治療的 C 肝患者、少見於紅斑性狼瘡 (SLE), 橋本氏症 (Hashimoto' s disease) 與健康人比對族群	無
與細胞週期自體抗原相關的 ANA 型態 (AC-24~AC-28)				
	Centrosome AC-24	Pericentrin, ninein, Cep250, Cep110, enolase	少見於系統性硬皮症 (SSc) 、雷諾氏症 (Raynaud' s phenomenon) 、病毒感染和黴漿菌感染 (viral and mycoplasma)	無
	Spindle fibers AC-25	HsEg5	少見於修格蘭氏症(SjS) 、紅斑性狼瘡 (SLE) 、other SARD	無
	NuMA-like AC-26	Centrophilin (親中心體蛋白)	修格蘭氏症(SjS) 、紅斑性狼瘡 (SLE) 等	無

	Intercellular bridge AC-27	Aurora kinase B, CENP-E, MSA-2, KIF-14, MKLP-1	少見於系統性硬皮症 (SSc)、雷諾氏症 (Raynaud' s phenomenon)、惡性腫瘤 (malignancy)	無
	Mitotic chromosomal AC-28	Modified histone H3 (修飾組織蛋白 H3), MCA-1	少見於圓盤狀狼瘡 (discoid lupus erythematosus)、慢性淋巴細胞性白血病 (chronic lymphocytic leukemia, CLL)、修格蘭氏症 (SjS)、風濕性多發性肌痛症 (polymyalgia rheumatica)	無

縮寫對照：AC: anti-cell pattern, ANA pattern according to ICAP; DM: dermatomyositis, MCTD: mixed connective tissue disease (Sharp syndrome); PBC: primary-biliary liver cholangitis; PM: polymyositis; SARD: systemic autoimmune rheumatic diseases; SjS: Sjogren' s syndrome; SLE: systemic lupus erythematosus; SSc: Systemic Sclerosis

2022/09/22 更新