川崎病

小孩高燒不退,請注意!



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川崎病

- 台灣現階段最常見的小兒後天性心臟病
- ■1961年,日本川崎富作醫師首先發現
- 病因:不明
- 年齡:好發於3月~5歲幼
 - 兒

川崎病的診斷標準

- 發燒超過五天
- ■眼結膜炎
- ■嘴唇乾裂泛紅、草莓舌、咽喉炎
- ■手腳掌初期紅腫,恢復期指(趾)端脫皮
- ■紅疹
- ■頸部淋巴結腫大





川崎病的後遺症

- ■川崎病的六大症狀,即使不經治療也會隨時間逐漸消失,然而心臟的破壞卻默默地持續進行中
- ■根據統計25%的病人會形成元狀動脈血管瘤。嚴重者導致心肌缺氧、心肌梗塞或動脈血管瘤破裂而突發死亡。





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Letter to the Editor

Too big became too small

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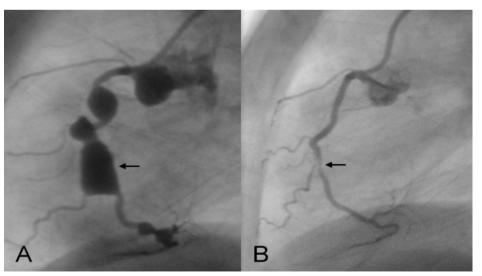
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Aneurym



A 5-month-old boy presented with fever for 8 days in September 1999. Physical examination revealed bilateral conjunctival injection, a strawberry tongue, erythema and cracking of lips, edema of hands and feet, and diffuse erythematous skin rash. Echocardiography showed dilatations of bilateral coronary arteries. Under the diagnosis of Kawasaki disease, 2 g/kg γ-globulin was administered intravenously but the fever persisted. The 2nd course of y-globulin was given 2 days later and the fever subsided gradually. He received oral anti-platelet treatment of aspirin and dipyridamole. The first coronary angiography was performed 3 months later and showed five aneurysms (6.8 mm, 6.1 mm, 8.8 mm, 3.4 mm and



川崎病的治療

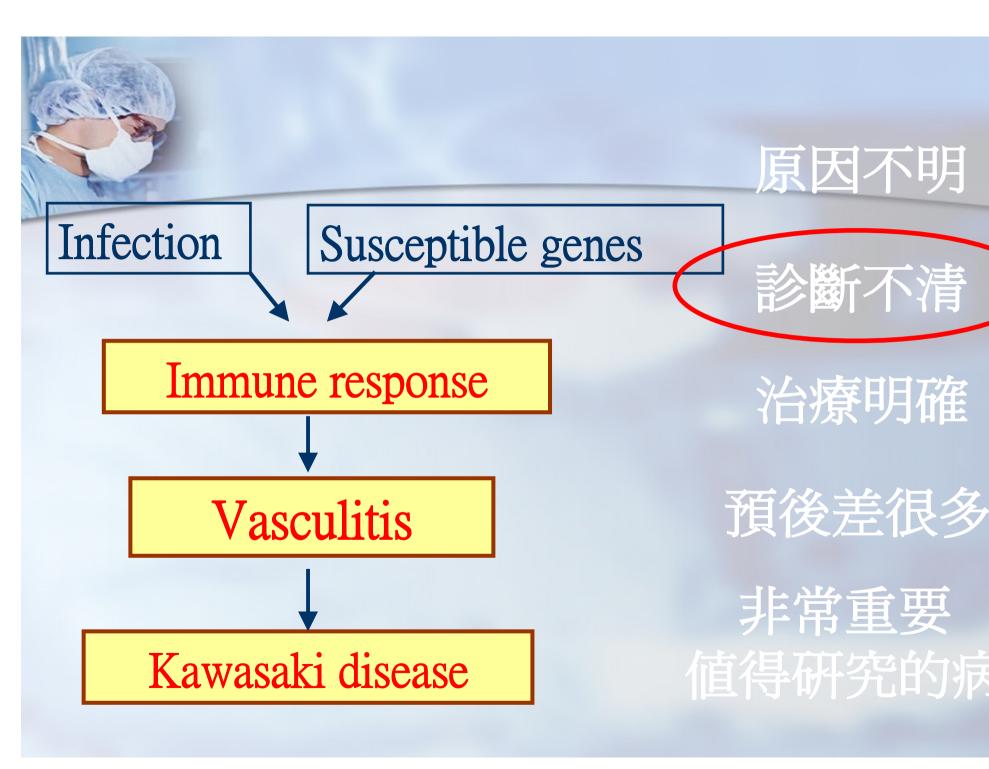
冕骤蛋白: (2g/kg iv 12 hr)

●於急性期使用可有效控制心臟發 炎,預防冠狀動脈血管瘤的發生或 改善其嚴重度

■阿斯匹靈:

- ■高劑量 60 mg/kg/day tid or qid 可控制心臟發炎
- 低劑量3-5 mg/kg/day qd可預防冠狀動脈栓塞,改善心肌血液循環





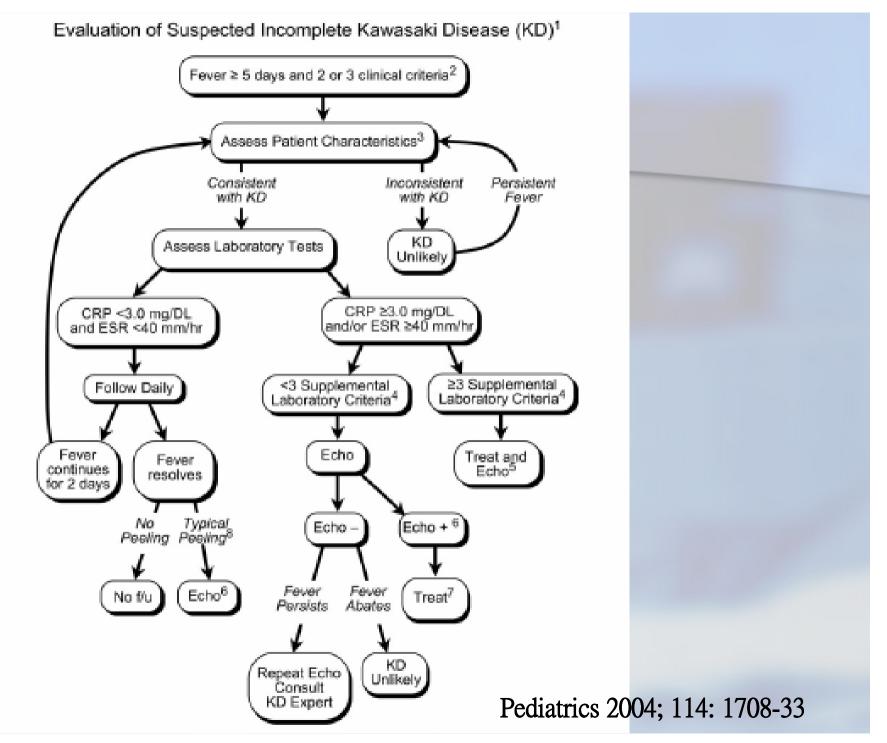


When initial treatment fails

- 10% of patients
- IVIG again 2 gm/kg
- Steroid
 - 30 mg/kg/day IVD 2-3 hours, for 1-3 consecutive days







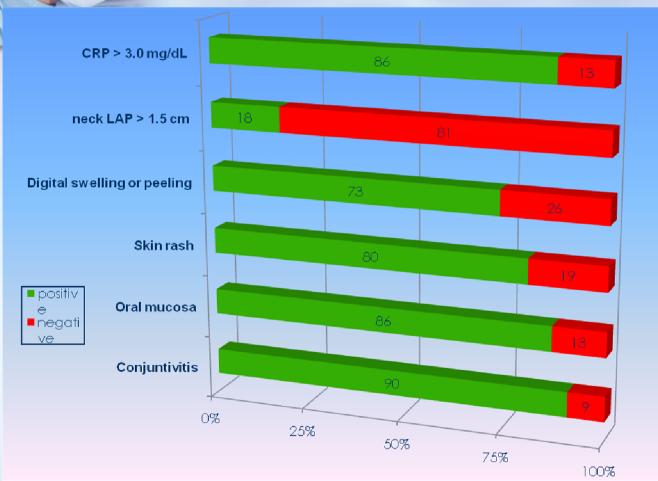


Supplement Laboratory criteria

- Albumin <= 3 g/dL</p>
- Anemia for age
- Elevation of alanine aminotransferase
- Platelet after 7 days >= 450,000 / mm³
- Blood cell count >= 15,000 / mm³
- Urine >= 10 white cells /HPF







		Meeting modified criteria	
		No	Yes
Mee ting criter ia	N O	19	21
	Y e s	2	57

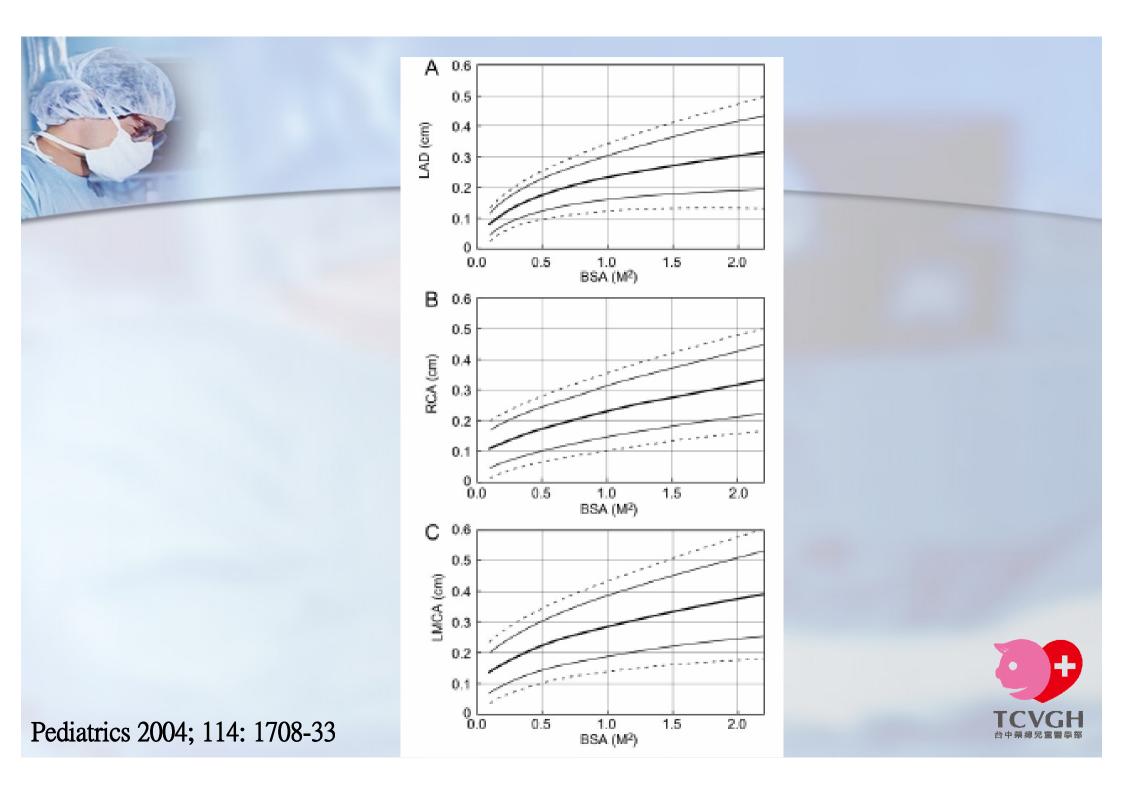




Differential Diagnosis

- Viral infections
 - Measles, adenovirus, enterovirus, EBV
- Scarlet fever
- SSSS
- Toxic shock syndrome
- Bacterial cervical lymphadenopathy
- Drug allergy
- Steven-Johnson syndrome
- JRA
- Rocky Moutain spotted fever
- Leptospriosis
- Mercury hypersensitivity reaction





Risk Stratifications (AHA)

Risk Level	Therapy	Physical Activity
I (no coronary artery change at any stage of illness)	Not beyond 1st 6-8 wks	No restriction beyond 1st 6-8 wks
II (transient coronary artery ectasia disappears within 1st 6-8 wks)	Not beyond 1st 6-8 wks	No restriction beyond 1st 6-8 wks
III (1 small-medium coronary artery aneurysm/major coronary artery)	Low dose aspirin (3-5 mg/kg/day), at least until aneurysm regression documented	For patients < 11 y/o, No restriction beyond 1 st 6-8 wks; 11-20 y/o guided by biennial stress test; contact or high-impact sports disccouraged
IV (>= I large or giant aneurysm, or multiple or complex aneurysm in same coronary artery, without obstruction	Long term antiplatelet and warfarin (INR 2-2.5) or LMWH (antifactor Xa 0.5-1.0 U/mL) should be combined in giant aneurysms	Contact or high-impact should be avoided; physical activity guided by stress test
V (coronary artery obstruction)	Long term aspirin; warfarin or LMWH if giant aneurysm persists; Consider beta-blockers	Contact or high-impact should be avoided; physical activity guided by stress test



New Concepts from IX IKDS

- Humane genome map
- Infliximab (TNF-alpha Ab) for refractory KD
- Reconsidering of steroid in acute therapy

