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**題目 (Title):**

以臨床觀察和居家影片執行整體動作評估的效度

Validity of General Movement Assessment Based on Clinical and Home Videos.

**摘要中文翻譯****前言：**

本研究目的為制定整體動作評估(General Movement Assessment, GMA)居家錄影指導手冊，並檢視由物理治療師和父母完成GMA的同時效度和預測效度。

**方法：**

物理治療師在臨床施測GMA和阿爾伯塔嬰幼兒動作量表(Alberta Infant Motor Scale, AIMS)，家長依照指導手冊完成GMA。

**結果：**

指導手冊的內容效度為0.83。不同來源間GMA結果的一致性為 $\kappa=0.869$ 。依據AIMS第10百分位切截點，矯正年齡3個月大GMA同時效度由物理治療師評估為 $\kappa=0.266$ ，對比由父母評估為0.525。根據AIMS第5百分位切截點，矯正年齡12個月大GMA陽性概似比由物理治療師評估為26，對比由父母評估為25。

**結論：**

依照指導手冊完成居家影片進行整體動作臨床評估是有效度的。

## **Original Abstract**

### **INTRODUCTION:**

The purposes of this study were to develop an instructional leaflet on home video recording for the General Movement Assessment (GMA) and to examine the concurrent and predictive validity of the GMA completed by physical therapists (PTs) and completed by parents.

### **METHODS:**

The GMA and the Alberta Infant Motor Scale (AIMS) were completed by PTs in the clinic. Parents completed the GMA following the instructional leaflet.

### **RESULTS:**

The content validity of the leaflet was 0.83. The consistency of the GMA results between sources was  $\kappa = 0.869$ . The concurrent validity of the GMA at a corrected age of 3 months was  $\kappa = 0.266$  (PT) versus 0.525 (parent) using the 10th-percentile cutoffs of the AIMS. The positive likelihood ratio was 26 (PT) versus 25 (parents) at a corrected age of 12 months based on 5th-percentile cutoffs of the AIMS.

### **CONCLUSIONS:**

Home GMA videos are valid for clinical assessment following the instructional leaflet.

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