

SYZYGY COSMETICS LIMITED

LE MOI-PEAU BIOMIMETIC  
TRYPEPTIDE MARINE CREAM

之人體皮膚刺激性檢測報告書

靜宜大學 化粧品科學系

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靜宜大學化粧品科學系

## 一、執行目的

觀察受試者的皮膚貼布測試之刺激性情形。

## 二、執行內容

1. 送測樣品: LE MOI-PEAU BIOMIMETIC TRIPEPTIDE MARINE CREAM

2. 受試者標準制定：

評估並選定年齡範圍為 18~45 歲之適當男女性受試者 25 人，未患有皮膚疾病或傷口者。

3. 受測部位與次數：

於受試者手臂前端平坦處進行測試，分為未塗抹區與樣品塗抹區，各為 2 x 2 cm<sup>2</sup> (約 0.5 mL 樣品量)，樣品塗抹後採用封閉式貼布試驗。並於塗抹樣品前先進行一次前測及使用 24 小時後各測一次。

4. 觀察項目：

- (a) 使用 Mexameter® MX18 皮膚檢測儀進行樣品對皮膚刺激性的人體觀察研究。檢測項目為皮膚紅色素觀察。
- (b) 以皮膚刺激程度評分指標(Primary Irritation Index)，將紅斑現象由可忽略(0~0.4 分)、可辨認之輕度症狀(0.5~1.9 分)、與周圍可明顯區別之中度症狀(2.0~4.9 分)與嚴重紅斑症狀(5.0~8.0 分)進行數據評估。
- (c) 使用攝像器材紀錄觀察。

## 三、執行情形

1. 檢測樣品: LE MOI-PEAU BIOMIMETIC TRIPEPTIDE MARINE CREAM。

2. 檢測方式：

本次試驗共有 25 位 18~45 歲之受試者，於受試者左手臂前端平坦處進行樣品測試與未塗抹樣品之對照組，於左手規劃編號 B:blank 與編號 S:( LE MOI-PEAU BIOMIMETIC TRIPEPTIDE MARINE CREAM)。在塗抹樣品前及塗抹樣品 24 小時後各進行一次檢測。

### 3. 檢測儀器:

#### (1) Mexameter® MX18 皮膚檢測儀:

針對紅斑值(Erythema index)的紅色波 660 nm 與綠色波 568nm 來測定皮膚在接受樣品刺激前後的膚色變化，若樣品對皮膚產生刺激性，則紅斑數值將上升。並依皮膚刺激程度評分指標，將紅斑現象進行數據評估。

#### (2) 攝像器材:

使用紀錄觀察受試者之皮膚狀態。

## 四、執行成果

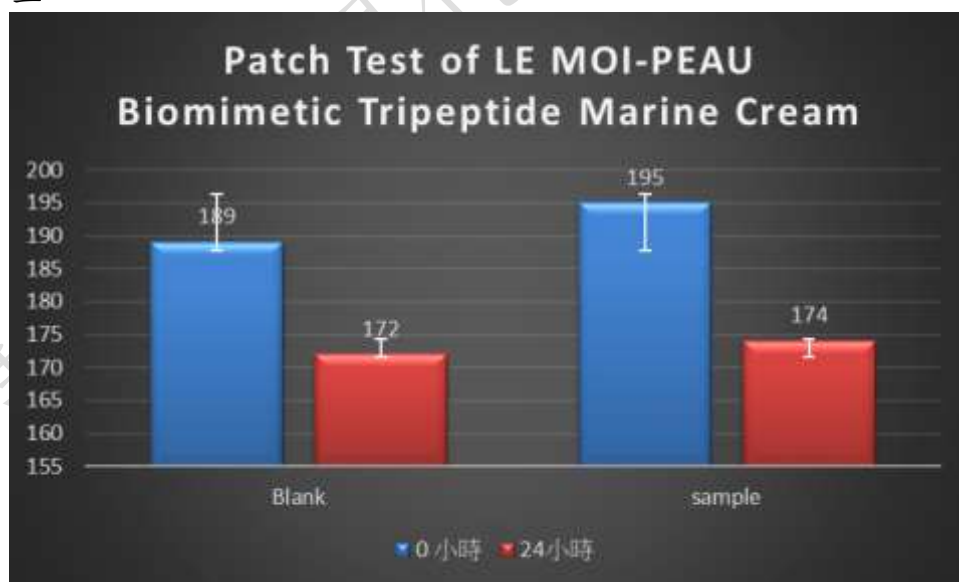
檢測結果依四部分呈現:

### 1. 受試者主觀感覺:

25 位受試者於塗抹樣品 24 小時後，皆未出現紅腫發癢或其他任何皮膚不適情形。

### 2. Mexameter® MX18 皮膚檢測儀結果:

紅色素數值在塗抹樣品前與塗抹樣品 24 小時後進行比較，並無明顯升高現象，如圖一，故可判定所有受試者皆無紅斑現象產生。



圖一、紅色素皮膚檢測結果

### 3. 皮膚刺激程度評分指標(Primary Irritation Index)結果:

依表一將紅斑現象進行評估，所有受試者評分皆為 0，無紅斑現象產生。

表一、皮膚刺激程度評分指標

評分	紅斑現象
0~0.4	可忽略
0.5~1.9	可辨認之輕度症狀
2.0~4.9	周圍可明顯區別之中度症狀
5.0~8.0	嚴重紅斑症狀

4. 檢測圖片:

以下為受試者 B 樣品檢測圖片，圖二為塗抹樣品前、圖三為塗抹樣品 24 小時後。右手有編號 B 之空白對照組與編號 B 樣品 LE MOI-PEAU BIOMIMETIC TRIPEPTIDE MARINE CREAM。由圖片結果可看出，皆未發生皮膚出現紅斑現象。



圖二、塗抹樣品前



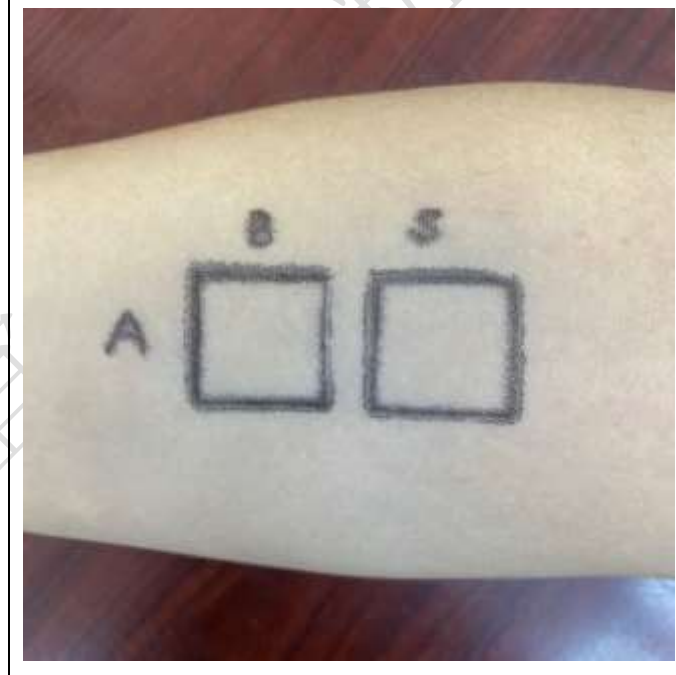
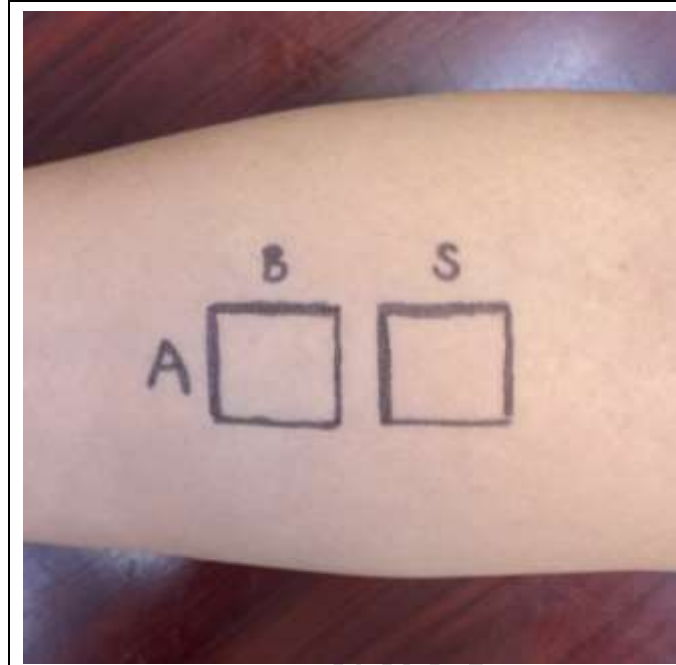
圖三、抹樣品 24 小時後

## 五、結論

本次所進行之 LE MOI-PEAU BIOMIMETIC TRIPEPTIDE MARINE CREAM 的皮膚敏感性檢測結果顯示，25 位參與試驗之受試者皆無紅斑與紅色素數值明顯上升現象產生，故判定 LE MOI-PEAU BIOMIMETIC TRIPEPTIDE MARINE CREAM 對皮膚無明顯刺激性。

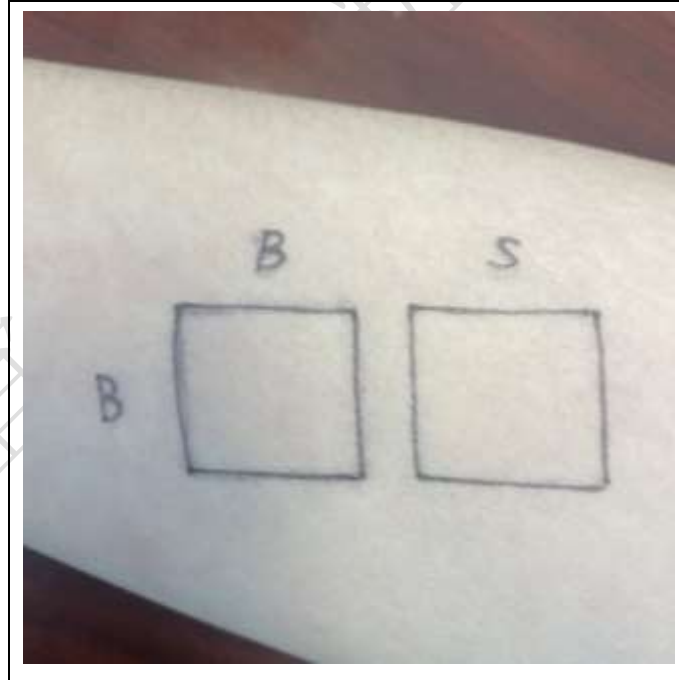
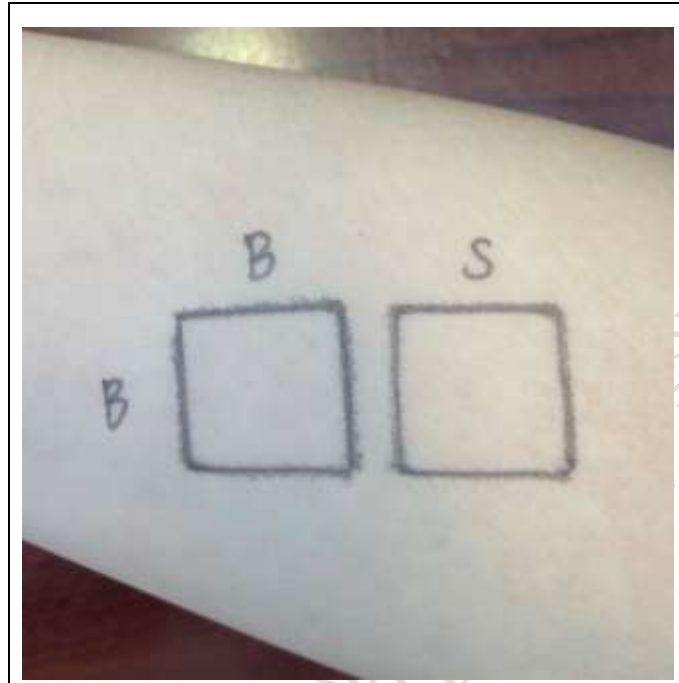
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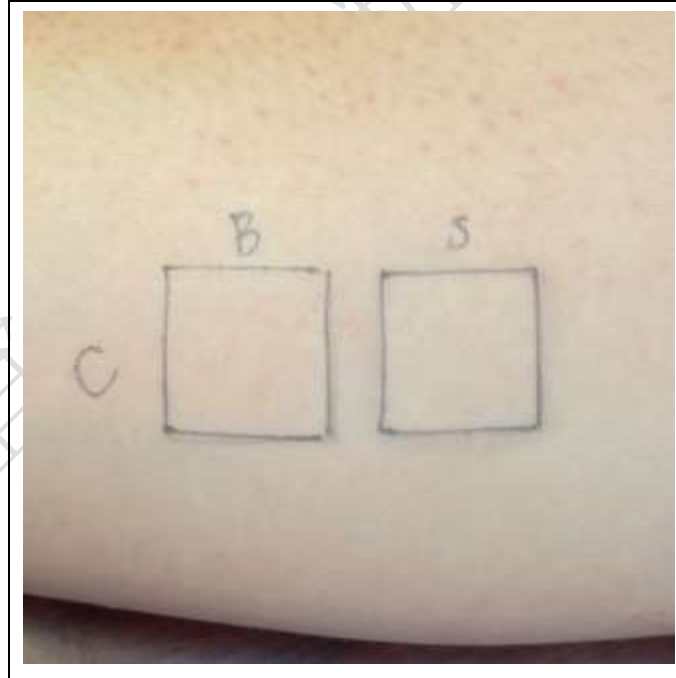
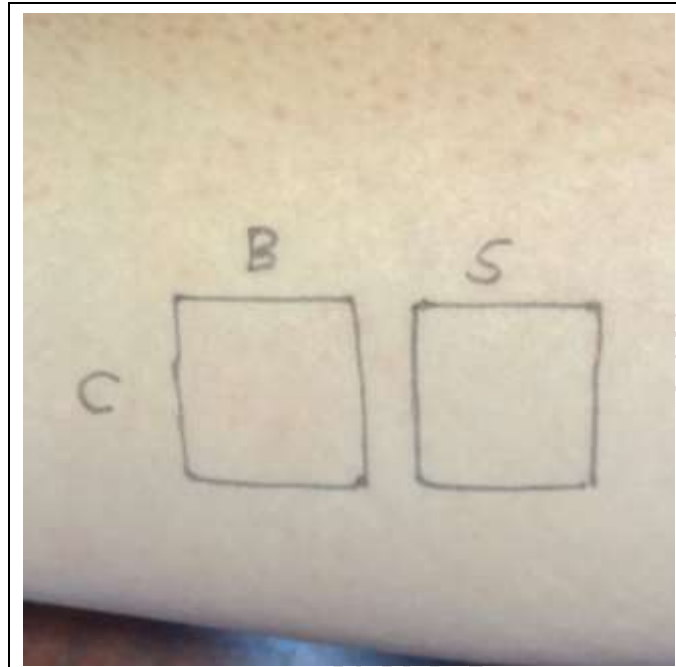
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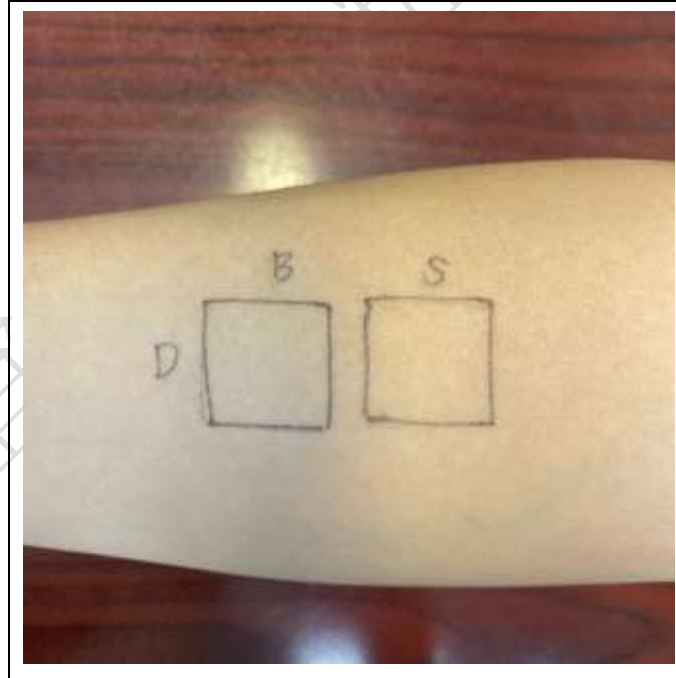
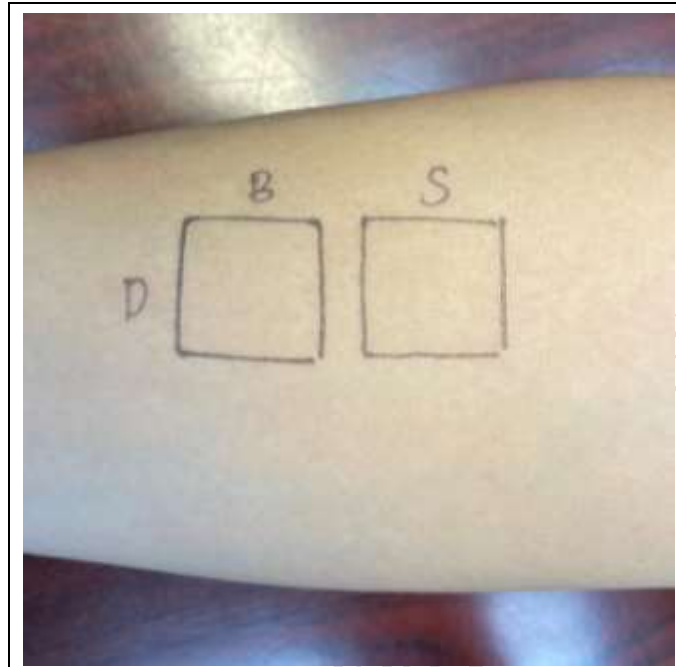
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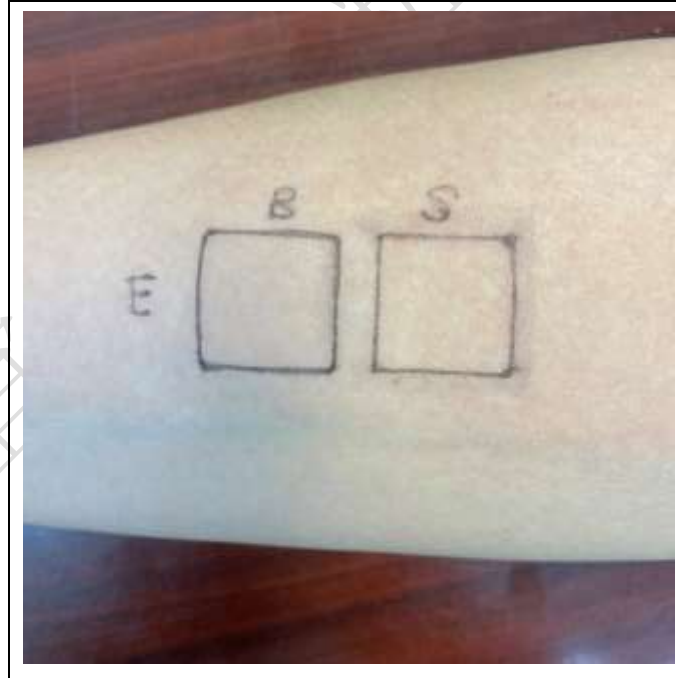
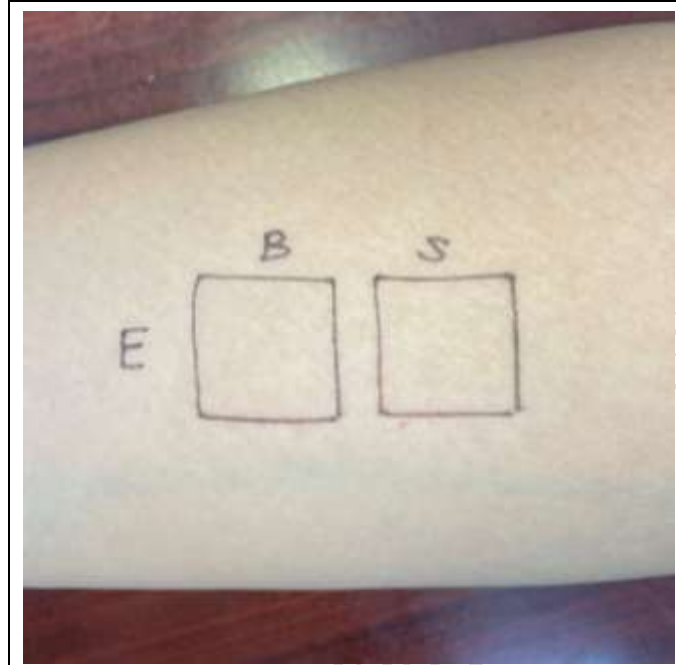
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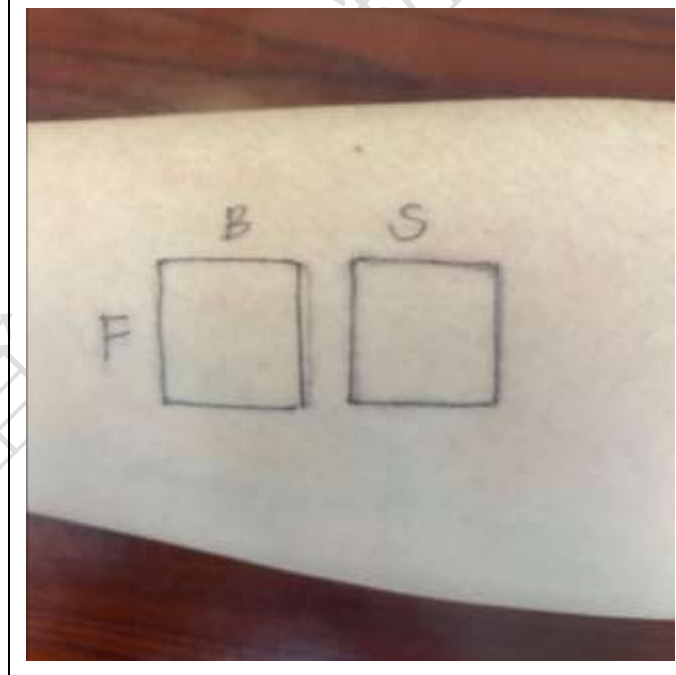
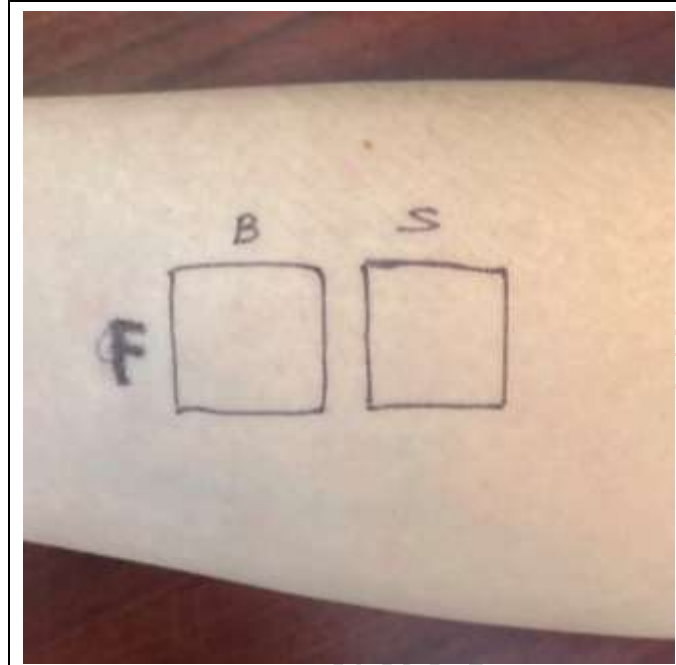
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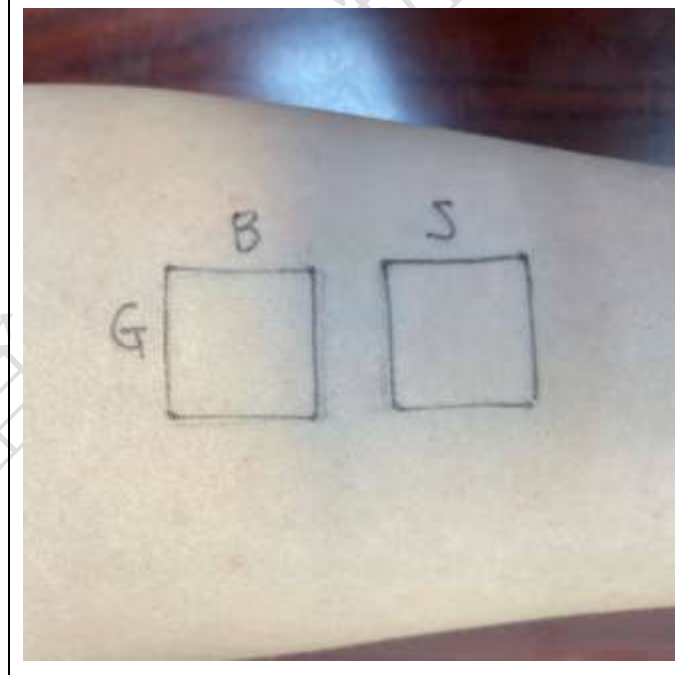
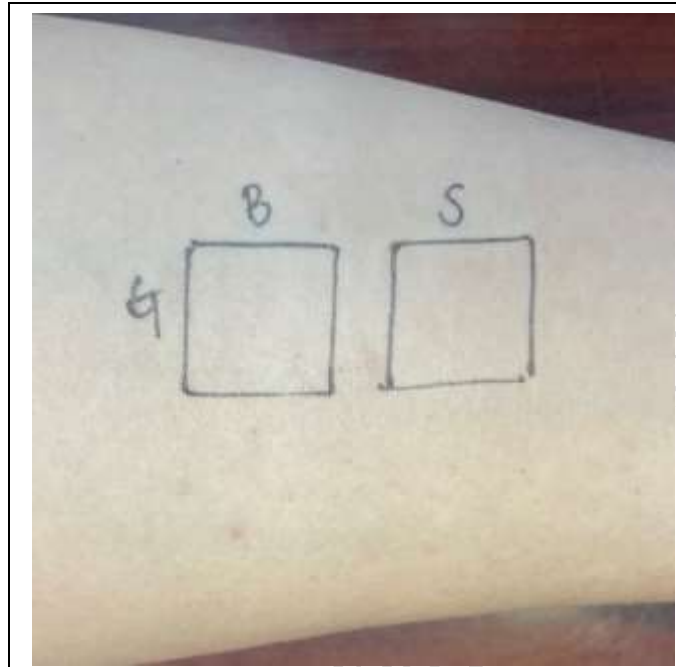
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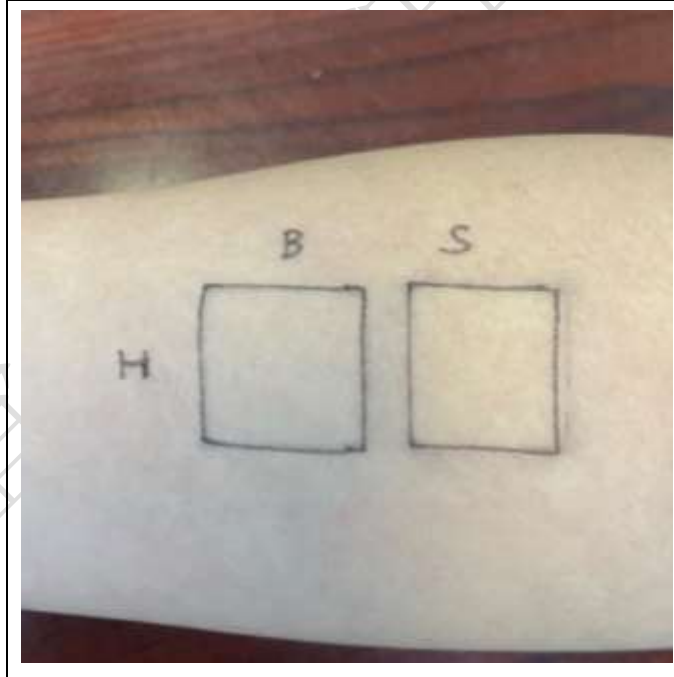
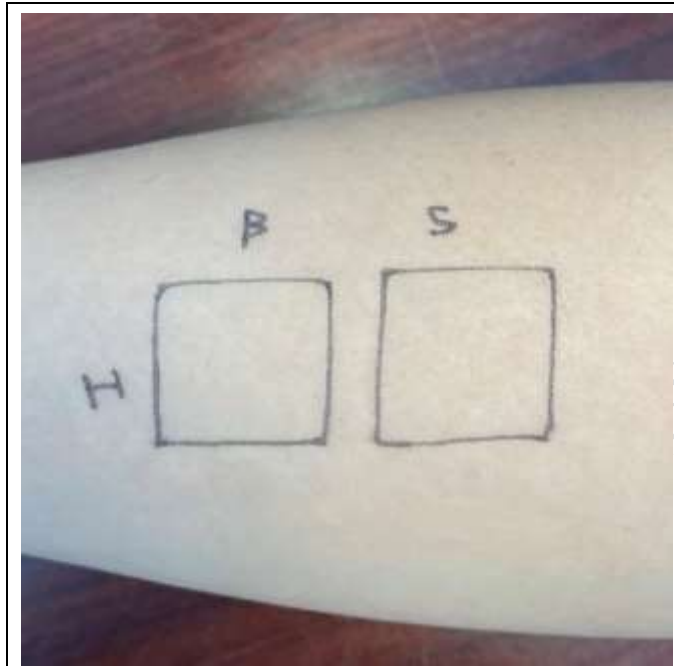
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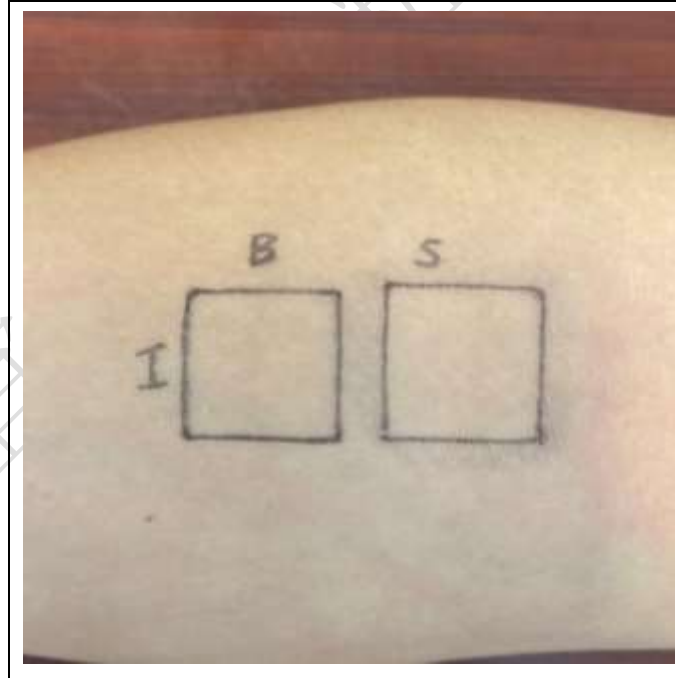
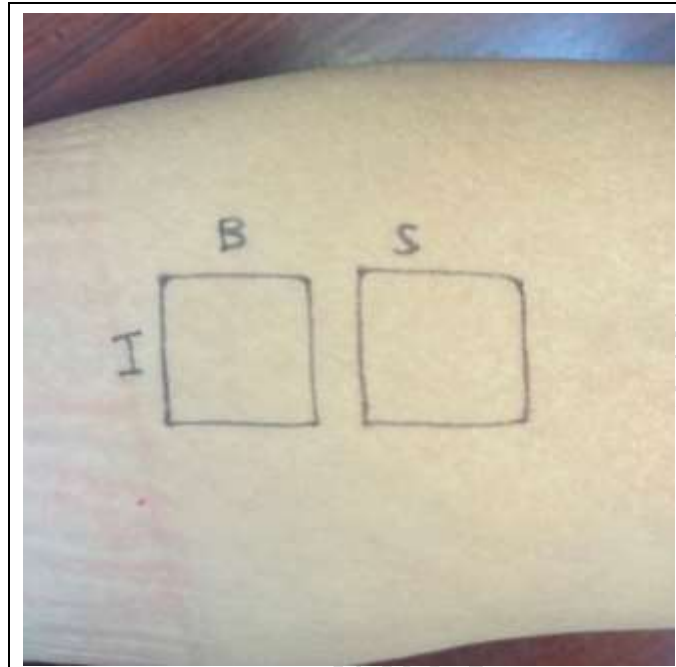
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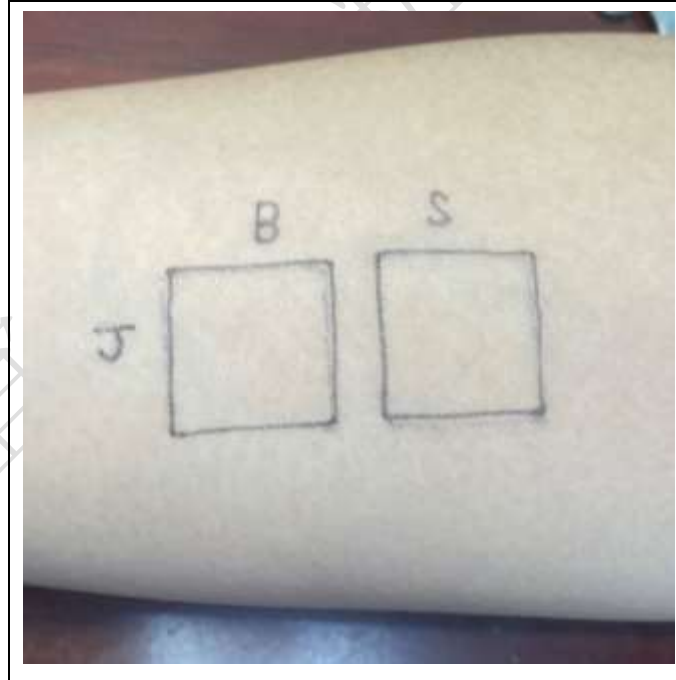
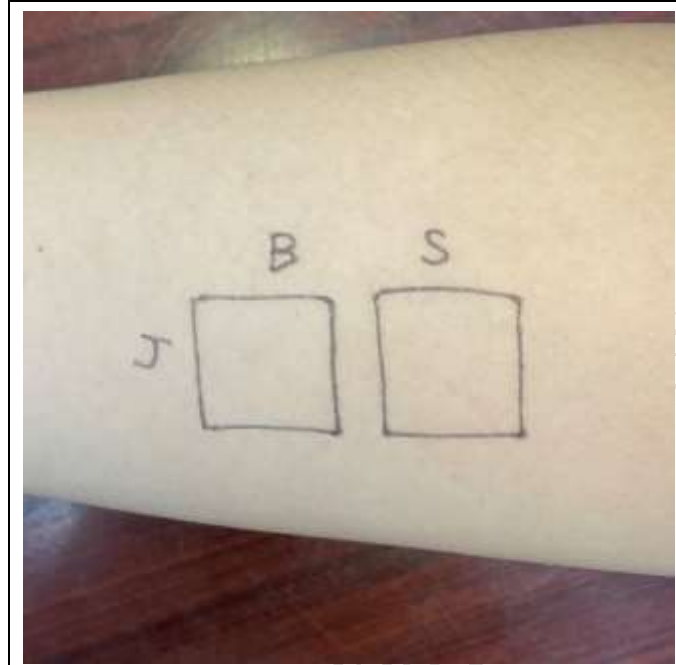
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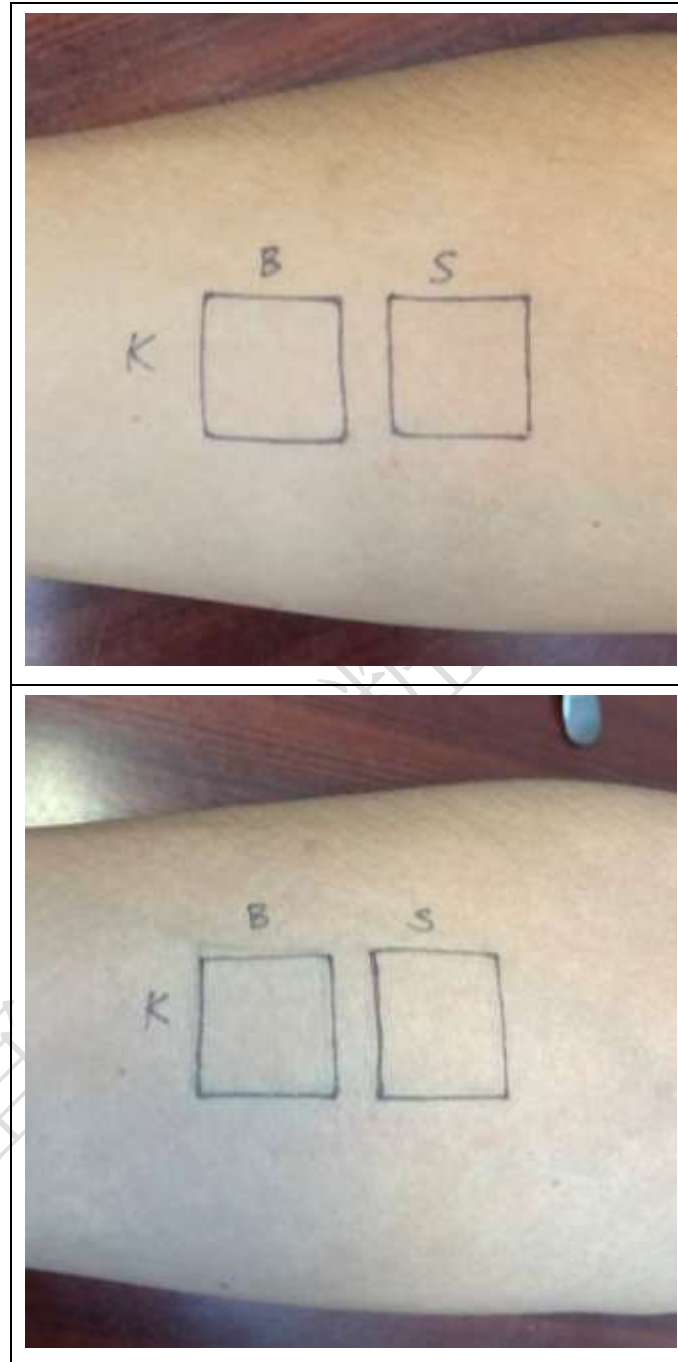
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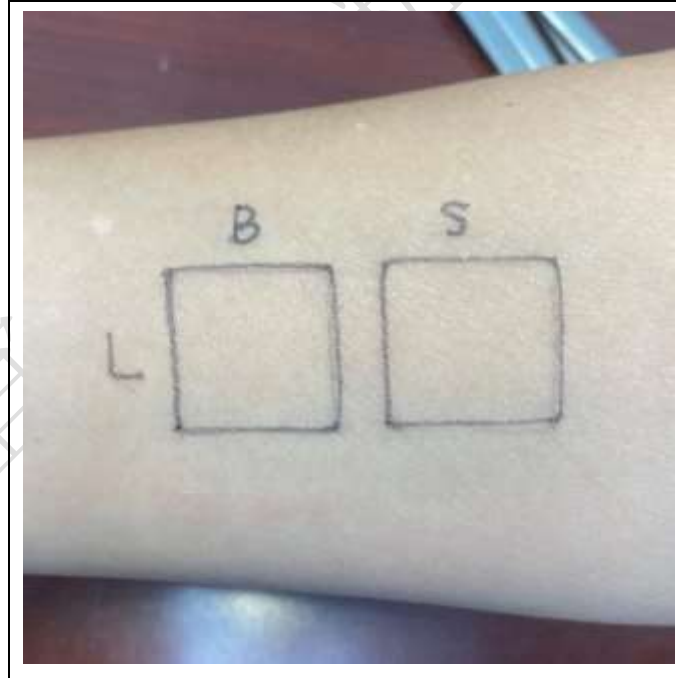
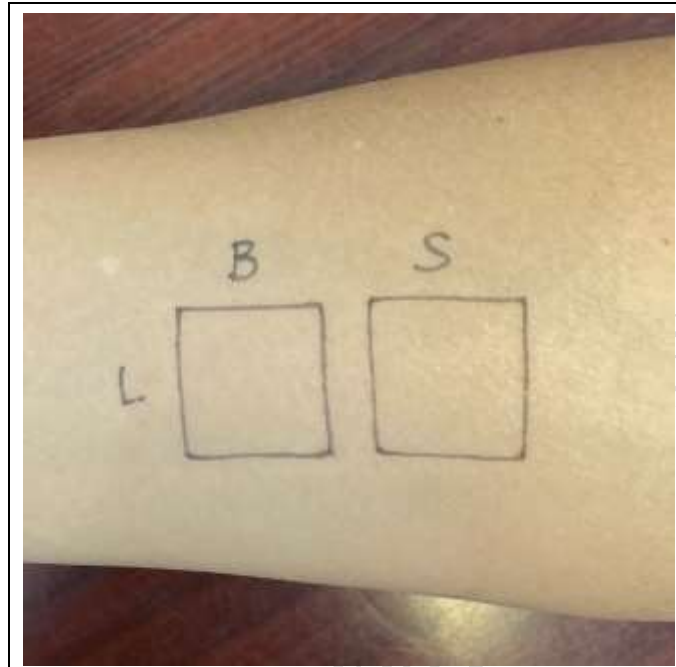
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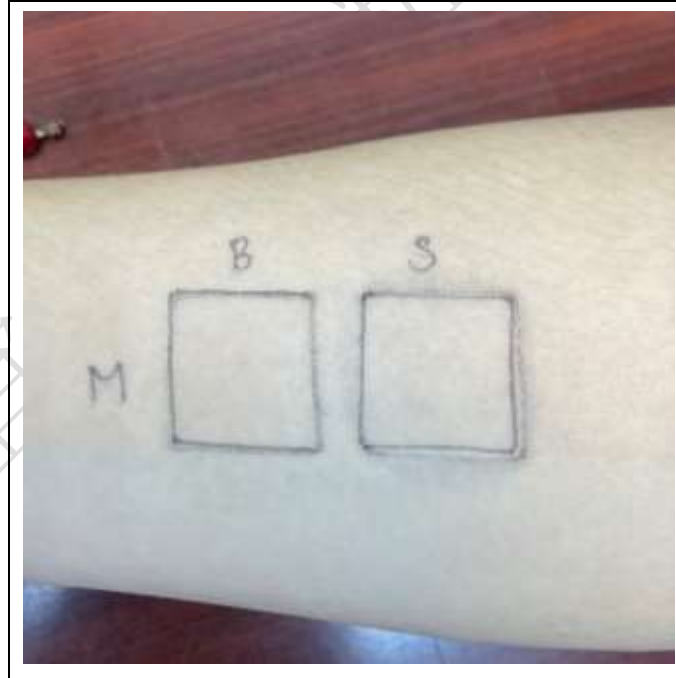
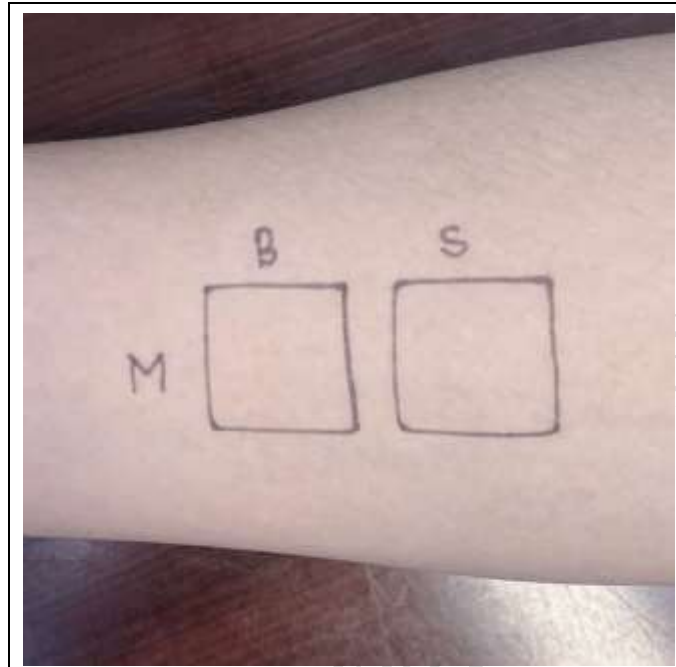
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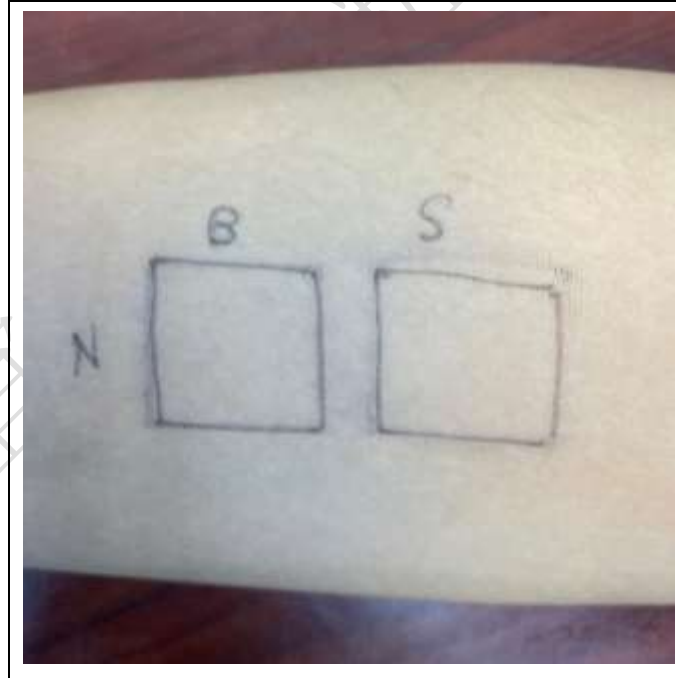
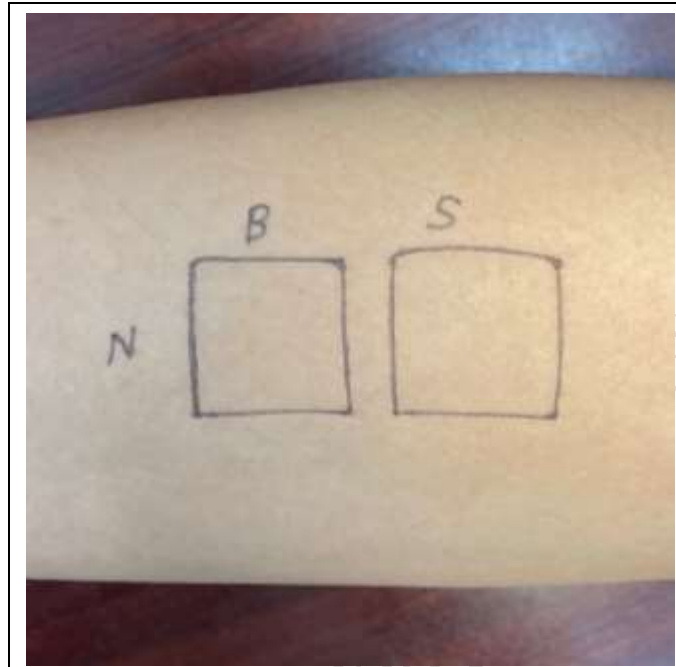
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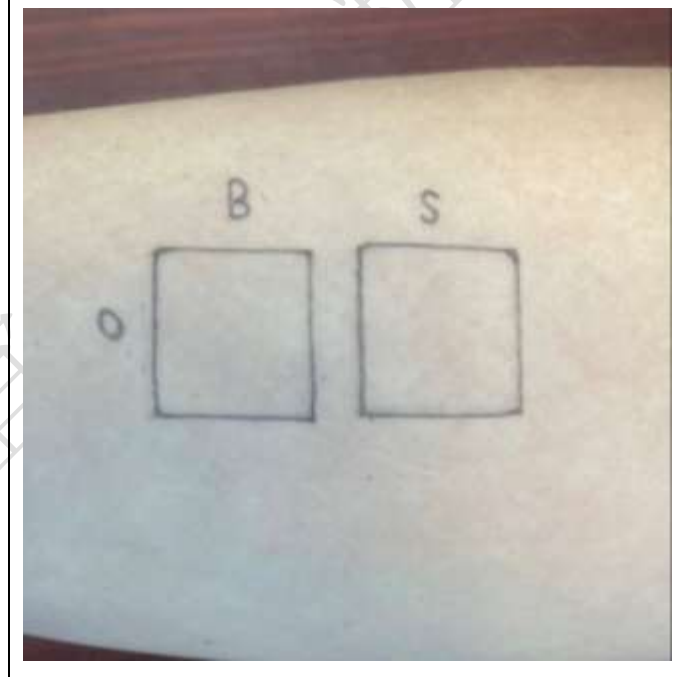
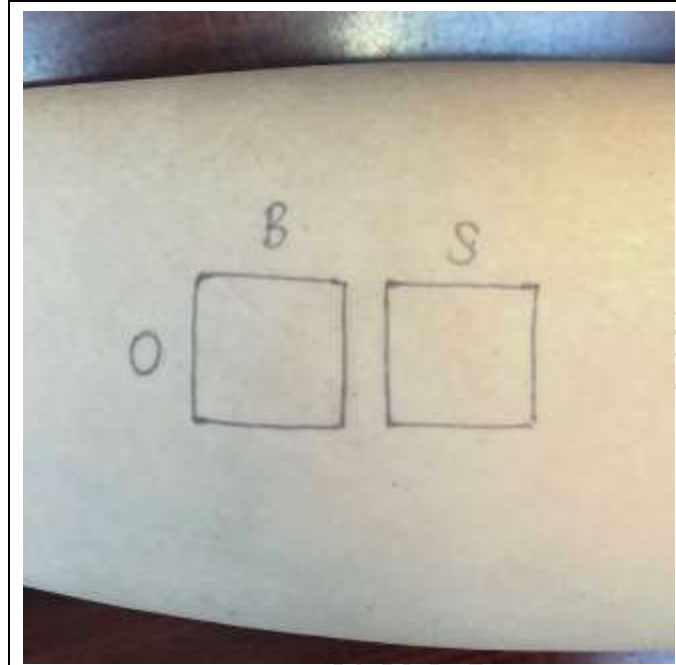
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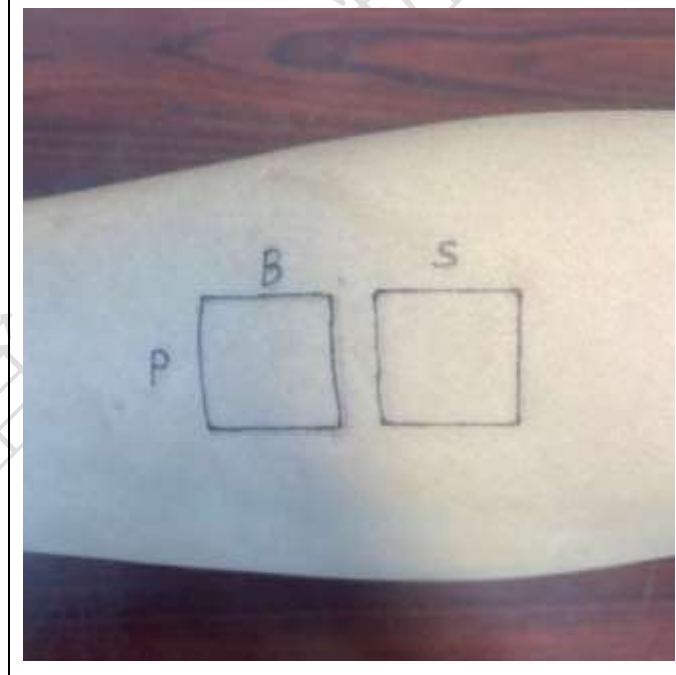
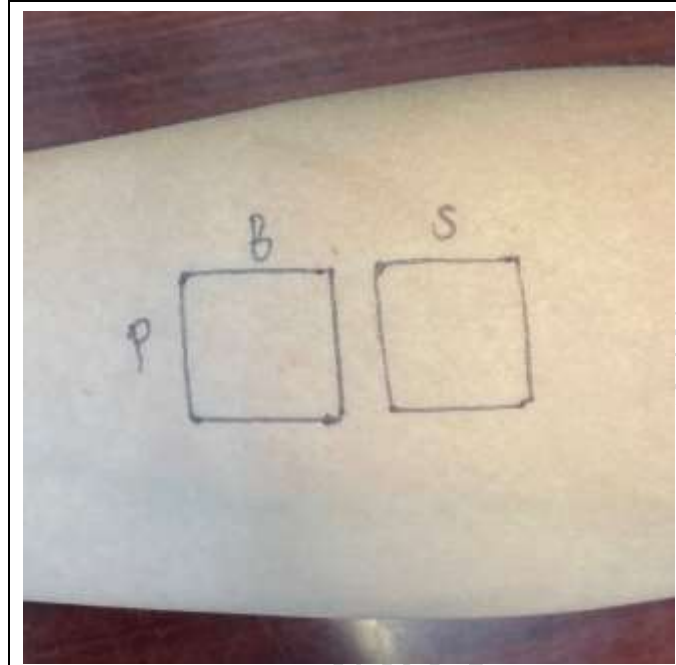
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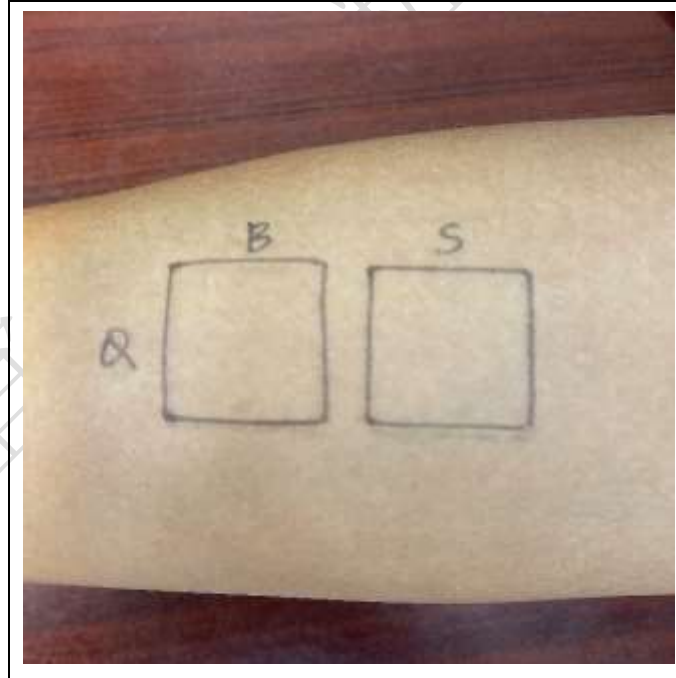
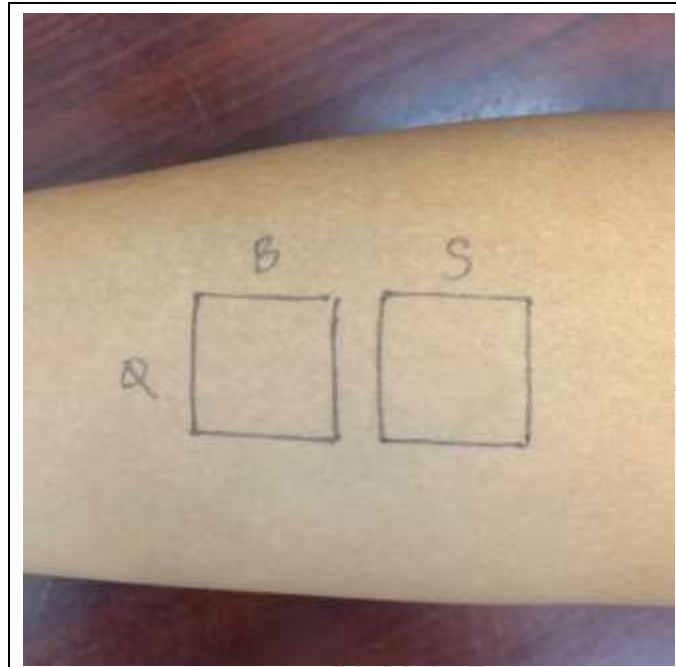
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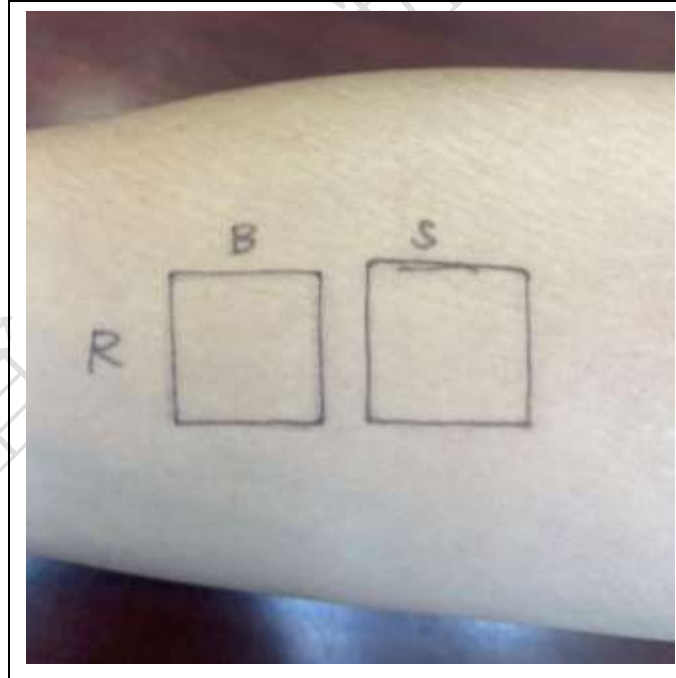
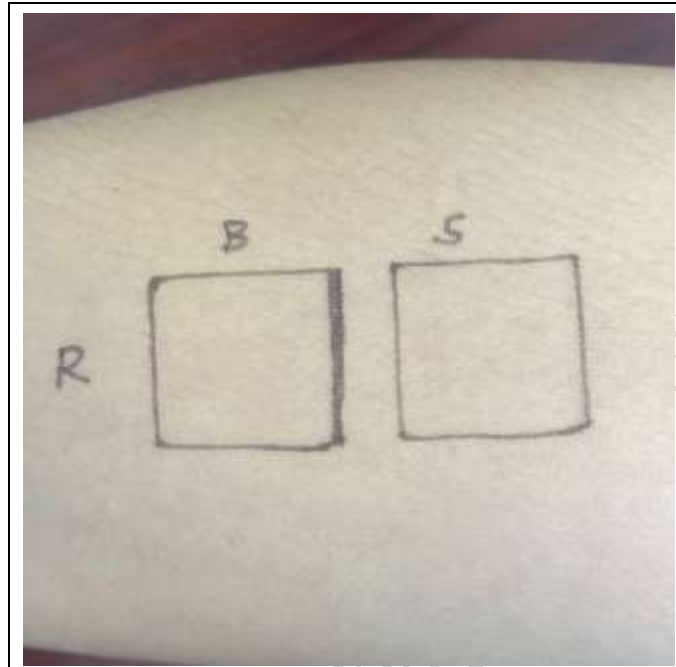
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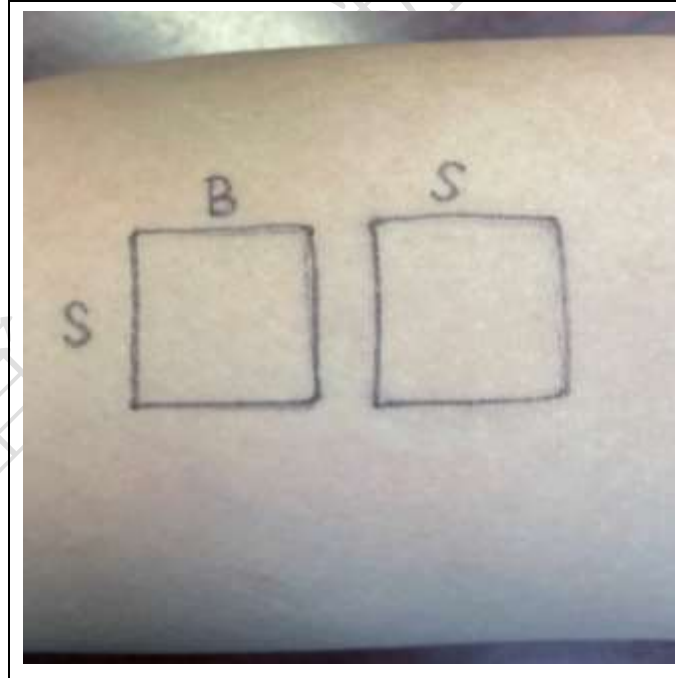
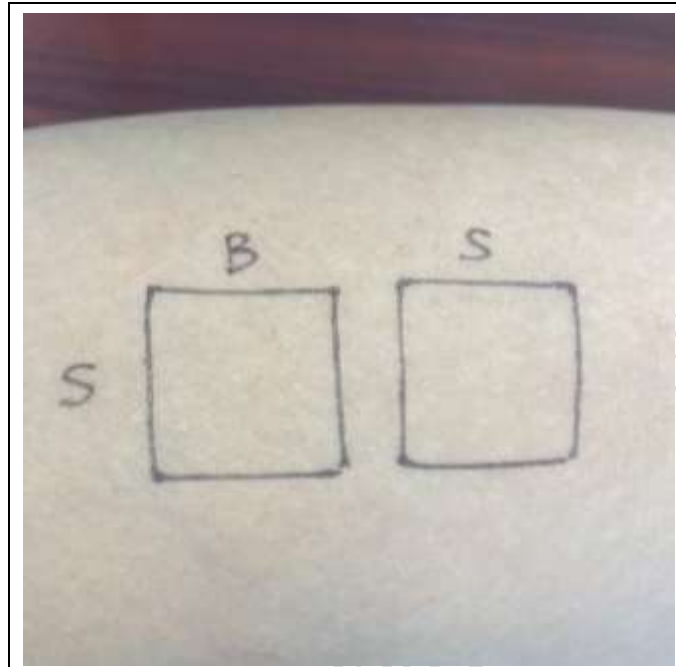
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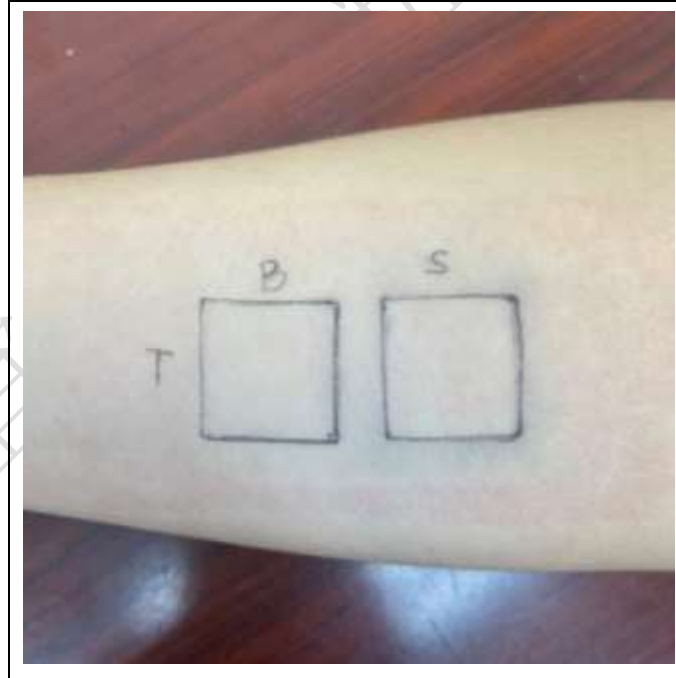
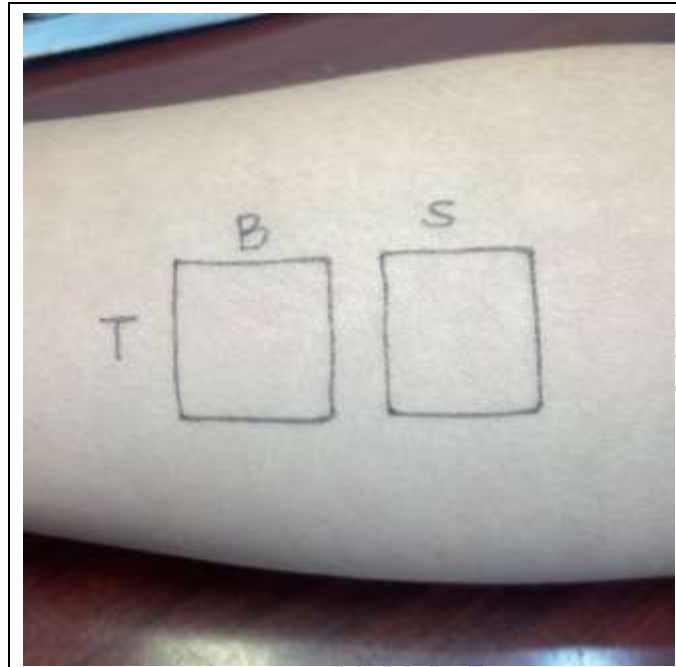
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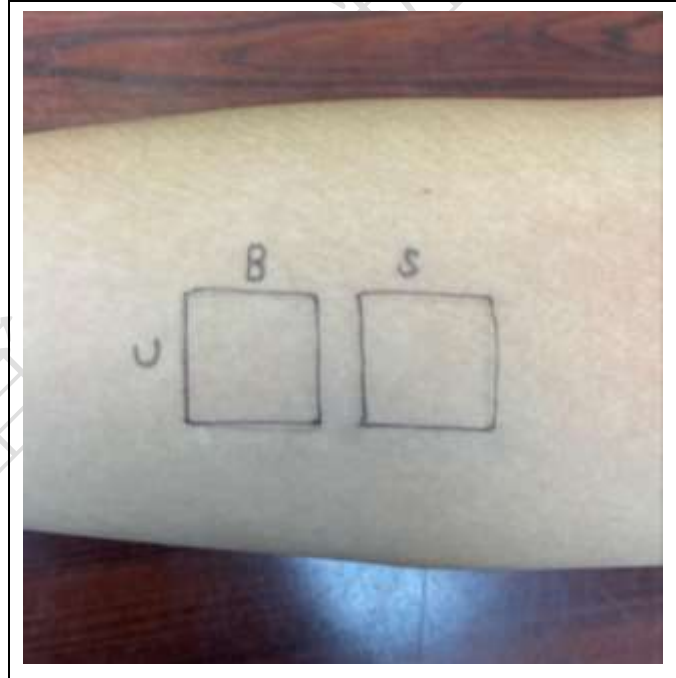
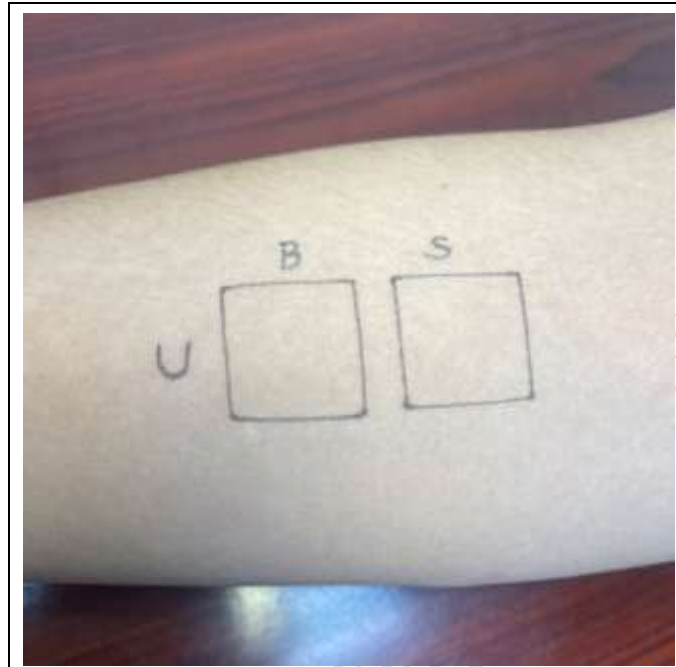
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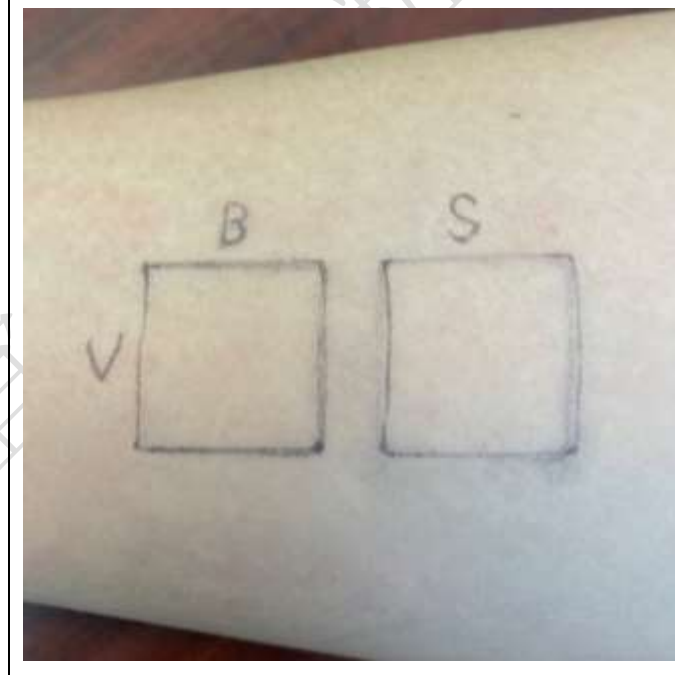
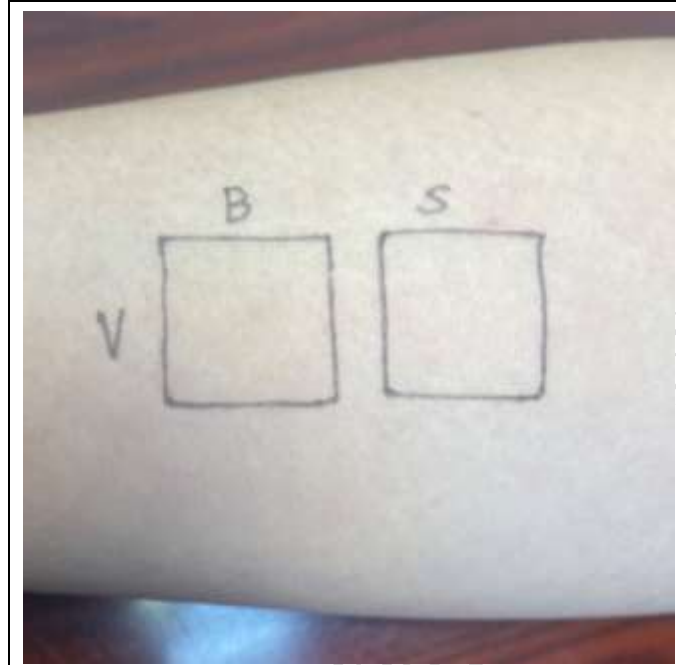
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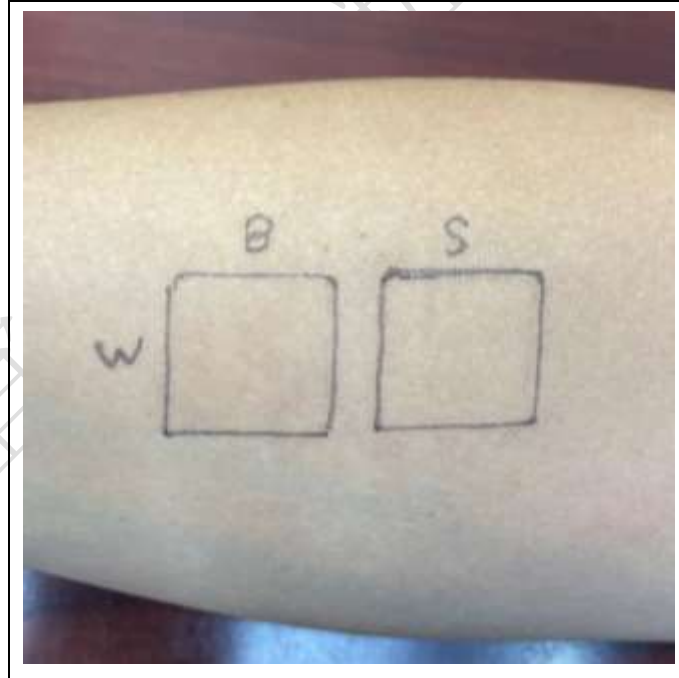
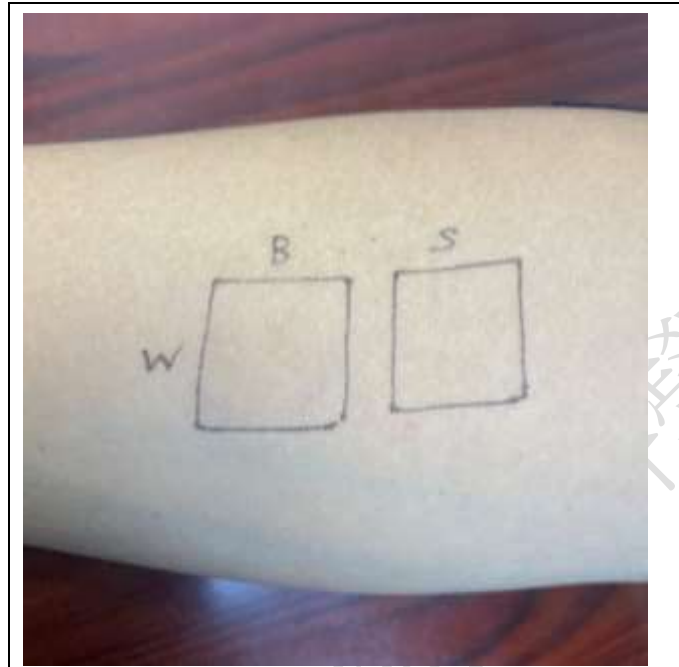
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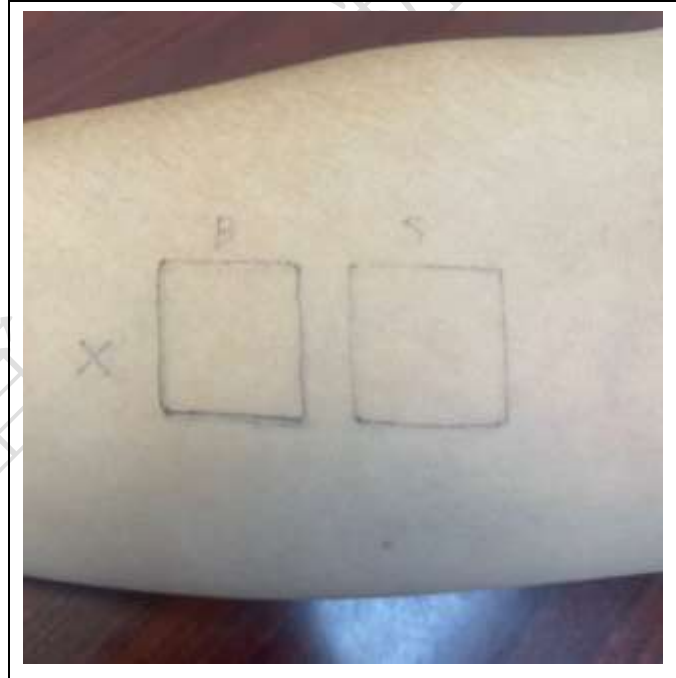
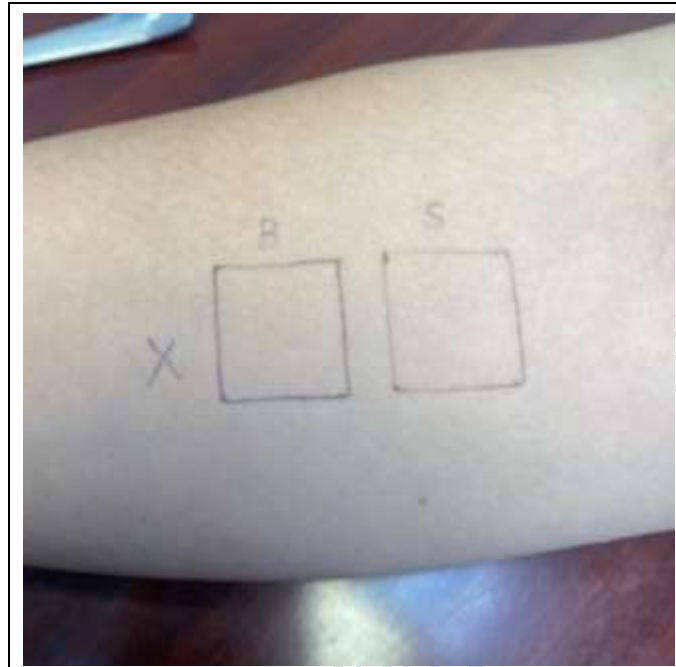
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