皮膚上的瘀青和拔罐後印記的比較

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一、外來撞擊力下皮膚表面的印記

以上三例均是由外力引起皮下組織及血管破裂出血的傷害,其在皮膚表面上所產生的痕跡,可以用肉眼去辨別其發生的原因和嚴重度,這些由意外外力引起皮下組織及血管破裂出血的傷害,一般病患本人不能主導控

制。而拔罐後的印記,卻是人為蓄意 在皮膚表面上,使用負壓 造成皮下組 織或血管破裂所產生出血的傷害印 記。

二、拔罐後皮膚表面上的印記

本文圖一至圖十五置於頁 3-5。

此兩因素所代表的意義。

(一)罐內負壓的數值大小

人體各個部位對負壓的耐受度不同,根據實驗其最高負壓數值保障安全性,最低負壓數值維持其有效性, 在此範圍中,可以因個人身體條件作必要的微調(謝麗貞,知音出版社, 2018)。

(二)拔罐位置的選擇

使用市面上最通用的抽氣式拔罐器,在腹部肚臍上方的中脘穴上拔罐。實驗者為健康年輕的男性,儘其力抽取出罐內空氣形成負壓(真正負壓值無法測量),所得的拔罐後印記,如圖五:影像顯現如罐口大小的圓形,其中布滿紅色斑點。這些斑點正好是皮膚的毛細孔的位置,也就是毛細孔微血管

破裂出血的現象,其原因可能是壓力 過大造成傷害。換句話說,拔罐作用 的位置並未深入體的器官或組織,而 是作用在表皮。

穴壓對拔罐的影響可以用以下兩 張示意圖說明。

圖七表示輕症之「氣—穴道—組織—拔罐關係示意圖」,繪出拔罐時的 剖面相。罐內中心的最高點是穴壓點, 其下組織成分因為拔罐時負壓吸力而 凸上,將病變的組織液吸取出至表皮 來;其所呈現的皮膚的顏色隨健康狀 況由淡至深色—健康良好者印記顏色 略紅,很快即恢復原本之健康膚色, 如圖八;稍有輕症者其印記顏色較紅, 需1天左右可恢復至原本之健康膚色, 如圖九。

圖十表示重症之「氣—穴道—組 繼—拔繼關係示意圖」,繪出拔罐時的 剖面相及病變的組織成分被集中吸取 出至表皮穴道口來的情況。其印記所 呈現的皮膚顏色隨組織病變的成分和 嚴重程度,由深、濃的顏色(謝麗), 斑點或色塊至更深、濃的顏色(謝麗), 知音出版社,2018)。印記顏色共分 1 至 5 級(陳秀熙等,2019)。

肩背傷害者拔罐後印記之比較

經穴壓治療及使用「瞬吸可調式 吸引力拔罐裝置」之車禍重度肩背傷 害者拔罐後的印記,如圖十四。

使用傳統抽氣式拔罐器之過度運 動肩背傷害者拔罐後陳舊的印記,無 法測量罐內負壓值,拔罐部位估計採 用疼痛點,如圖十五。

結論

皮膚上及拔罐印記的比較,必需 在相同的基礎條件下所形成的才有意 義。本文所比較的是在使用「傳統抽 氣式拔罐器」或「瞬吸可調式吸引力 拔罐裝置」兩種器材之下,討論其即 起的差異,同時也比較其罐內負壓 值和拔罐的位置的決定,因為這兩個 因素正好關係到拔罐的安全性和有效 性。

圖一(Figure 1)



圖二(Figure 2)



圖三(Figure 3)



圖四(Figure 4)



圖五(Figure 5)



圖八(Figure 8)



说明:健康良好者中脘之印記 (The mark of the healthy person)

圖六(Figure 6)



圖九(Figure 9)



说明:健康略避者中脘之印記 (The Mark of the less healthy person)

圖七(Figure 7)

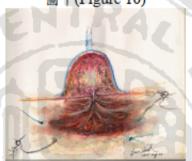


說明:輕症之「氣--穴道--組織--拔罐關係示 意圖」 (Mild case "diagram of

Qi-Acupoint-Tissue-Cupping Relation-

ship")

当 +(Figure 10)



说明:重症之氣--穴道--組織 -拔罐關係示意

(Severe case "diagram of

Qi-Acupoint-Tissue-Relationship")

圖十一(Figure 11)



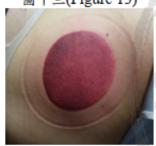
说明:組織病變中重度者中脫之印記 (The mark of sacrifice of moderate to severe tissue lesions)

圖十二(Figure 12)



說明:陳舊重度組織病變者中脫之印記 (The mark of 中脘 in old severe tissue lesions)

圖十三(Figure 13)



说明:新發生重度組織病變者之印記 (The marks of newly severe tissue lesions)

圖十四(Figure 14)



說明:經穴壓治療及使用「瞬吸可調式吸引力 拔罐裝置」之車禍重度肩背傷害者拔罐 後的印記

> (After cupping imprint of a severe shoulder and back injuries in a car accident.)

圖十五(Figure 15)



說明:使用傳統抽氣式拔罐器之過度運動肩背 傷害者拔罐後陳舊的印記,無法測量罐 內負壓值,拔罐部位估計採用疼痛點。 (It shows excessive marks on the shoulder of an over-worked shoulder-wound injured person using a traditional suction cupping device whose in-cup negative pressure value can not be measured. The pain point is estimated and used as the cupping position.)

Comparison of bruising on the skin and imprinting after cupping

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There are two possible causes of scars on the skin surface: 1. External impact forces, such as uncontrollable falls and collisions; and 2. Injuries from external forces, such as injections, cupping, etc. Because the two have different degrees of damage to the rupture and bleeding of subcutaneous organs, tissues, and blood vessels, the traces on the surface of the skin are also different, but each has its own characteristics and can be distinguished with the naked eye. Major open wounds should be sent to a medical institution for treatment. This article only compares the changes in the skin surface traces.

I. The imprint of the skin surface under external impact

In non-open wounds, marks of injury appear on the surface of the skin. Generally, it is a mark that is not intentionally made by the person. The subcutaneous tissue and blood vessels rupture and bleed when they fall, hit, or collide. For example: (1) The leg was hit by an external force, showing a large range of bruises with ruptured blood vessels, as shown in Figure 1; 1 (2) Bruise spots on the calf suffered a small-scale instrument blunt injury, as

The above three cases are caused by external force caused by subcutaneous tissue and blood vessel rupture and bleeding. The traces on the skin surface can be identified by the naked eye with the cause and severity. These accidental external forces caused subcutaneous tissue and blood vessel rupture. The bleeding injury cannot be controlled by the patient. However, the imprint after cupping is an artificial imprint on the surface of the skin. The use of negative pressure to cause bleeding from subcutaneous tissue or blood vessel rupture.

II Imprints on the surface of the skin after cupping

Cupping is subject to the subjective permission, and artificially carries out negative pressure on the human body on the surface of the skin. Since the negative pressure has a clear damage to human organs, tissues and blood vessels, the possible damage can be predicted, so the cause and severity of the occurrence

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shown in Figure 2; (3) Misuse of anticoagulant caused severe bleeding in the arm after bleeding inside the arm, as shown in Figure 3. The degree of stasis did not fade after ten days, as shown in Figure 4.

Figure 1 to Figure 15 of this article are on pp. 3-5.

can be judged by the imprint on the skin surface after cupping. Fortunately, cupping is a small area, except technical errors, cupping has limited damage to tissues and blood vessels and few immediate and significant impacts, yet they are ignored.

The damage caused by cupping to organs, tissues and blood vessels is just as the mechanism of cupping is to attract the inflammatory components in organs, tissues and blood vessels out of the location of the lesion to facilitate the rapid repair and renewal of the tissue, which is related to the safety and effectiveness of cupping. Therefore, the main success factor of cupping is the determination of the negative pressure value in the cup and the place to be cupped. The former represents the removal of metabolic waste as much as possible without harming the human body, and the latter represents being in the correct position that effectively removes metabolic waste without harming adjacent normal tissue. This is because various parts of the human body have very different tolerances to negative pressure, and the damage caused by them is different, which affects the absorption capacity. Therefore, the post-cupping mark can be distinguished with the naked eye for discussion and comparison the meaning of these two factors.

First, the value of the negative pressure in the cup

Different parts of the human body have different tolerances to negative pressure. According to the experiment, the highest negative pressure value guarantees safety, and the lowest negative pressure value maintains its effectiveness. In this range, the necessary fine adjustments can be made according to individual physical conditions (Hsieh Li-Chen, Jiyin Press, 2011).

Second, Selection of cupping position

In order to effectively remove the metabolic waste in the lesion without damaging adjacent normal tissues, it is necessary to perform cupping in the correct diseased area, and the diseased tissue fluid can be sucked out to the maximum for rapid metabolism assisted by the healthy epidermis. Therefore, it is necessary to understand the lesion and give a correct diagnosis before cupping, and then find out the correct anatomy position of the human body in turn, and then perform cupping to ensure that the lesion components are effectively sucked out without damaging adjacent normal tissues.

In a safe and effective range of negative pressure values, cupping at the correct lesion location, and then comparing the resulting cupping marks makes sense. However, most of the current cupping equipment and device do not control the negative pressure value, and do not give a correct diagnosis of the lesion to determine the right location of the lesion. There is absolutely a deviation in the basis of comparison. But the images after cupping can be obtained under different conditions can still give us a lot of information

The use the most common cupping device on the market, cupping on the middle acupoint above the belly button acupoint, (中院穴). The experimenter was a healthy young male, and did his best to extract the air in the cup to form a negative pressure (the true negative pressure value cannot be measured). The

resulting cupping mark is shown in Figure 5, full of red spots. These spots are exactly the position of the pores of the skin, which is the phenomenon of rupture and bleeding of the capillary blood vessels, which may be caused by excessive pressure and causing injury. In other words, the cupping effect does not go deep into the body's organs or tissues, but acts on the epidermis.

The use of pressure-controllable "instantaneously adjustable suction cupping device" (Hsieh Li-Chen, Jiyin Press, 2011), (Zhang Meiyi et al., New Medical Journal, 2018) on also above the belly button acupoint of a healthy young male, the resulting imprint after cupping is shown in Figure 6. The image appears as large as the cup size, with obvious red edges, which is pale red, and there is no rupture of capillary micro-vessels and bleeding, because the negative pressure value in the cup is controlled within a safe range, which will not cause excessive pressure injury and there is usually no abnormality in the middle of the pot printing.

Influence of Acupressure before Cupping on Imprint after Cupping

Acupoints represent organs and tissues in surface of the body. Not only can they show the health of the organs or tissues, they also control the entrance and exit, and control the repair, regulation and reproduction of organs and tissues. The use of acupressure on points to detect the condition of the lesion and the location of the lesion before cupping, and then to adjust the direction of its influence on organs and tissues when repair. Because cupping is only a way to

suck out the diseased tissue fluid to help the healthy epidermis to assist the rapid metabolism to return to normal, giving acupressure before cupping can not only confirm the location of the lesion, but also make the marks after cupping show a living body that can be evaluated by the naked eye. The images can be used as a basis for diagnosis, treatment, prognosis and tracking.

The effect of acupressure on cupping can be illustrated with the following two diagrams.

Figure 7 shows the diagram of "qi-acupoint-tissue-cupping relationship" for mild cases. The highest point in the center of the cup is the point of acupressure, and the underlying tissue components are convex due to the negative pressure suction when cupping, and the diseased tissue fluid is sucked out to the epidermis. The color of the skin presented varies from light to dark according to the health condition. The color of the mark of the healthy person is slightly red, and the original healthy skin color will be restored soon, as shown in Figure 8; the color of the mark of the milder person will be red, and it will take about 1 day to restore the original healthy skin color, as shown in Figure 9.

Figure 10 shows the diagram of "qi-acupoint-tissue-cupping relation-ship" for severe cases, which depicts the cross-section phase and the tissue components of the lesion when they are drawn out to the epidermal acupoint exit during cupping. The skin color presented by its imprints varies from deep, thick, and spots or patches on different skin surfaces to deeper, thicker colors depending on the composition and severity of tissue lesions (Hsieh Li-Chen, Jiyin

Press, 2017). The color of the stamp is divided into 1 to 5 grades (Chen Hsiu Hsi et al., 2019). Figure 11 shows the mark of sacrifice of moderate to severe tissue lesions; Figure 12 shows the mark of 中院 in old severe tissue lesions while Figure 13 shows marks of newly severe tissue lesions.

Comparison of After Cupping Imprints on Shoulders and Back Injuries

Figure 14 shows marks after cupping for those with severe shoulder and back injuries in a car accident using acupressure therapy and the "instant suction adjustable attractive cupping device" for cupping.

Figure 15 shows excessive marks on the shoulder of an over-worked shoulder-wound injured person using a traditional suction cupping device whose in-cup negative pressure value can not be measured. The pain point is estimated and used as the cupping position.

Conclusion

Comparisons on the skin and cupping marks must be made under the same basic conditions to be meaningful. This article compares the difference between the imprint and the cupping negative pressure and cupping using two types of equipment: "conventional suction cupping device" or "instantaneously adjustable suction cupping device", since the negative in-cup pressure and the location for cupping are just related to the safety and effectiveness of cupping.

