A Novel Model for Meridian: Bonghan System Combined with Fascia (Bonghan-Fascia Model).

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BACKGROUND Meridian is the key concept in oriental medicine as a channel of Qi (vital energy). With vital staining method we found that the theory of fascia mediated conduction and Bonghan theory, anatomical reality of meridian, could be combined as a new model for meridian [1, 2].

METHODS Male Wistar/ST rats were deeply anesthetized and thier abdominal cavity and skin hypodermal layer were exposed. Trypan blue (0.4 %) were sprayed into those abdominal and superficial fascia areas and washed with saline.

RESULTS Only Bonghan duct and corpuscles were stained by vital staining of Trypan blue (TB) [3]. Two figures show images of Bonghan duct and Bonghan corpuscle stained with TB.

CONCLUSION A vital staining of Trypan blue visualized Bonghan networks in and from fascia system. Our data suggest that Bonghan system is deeply related with fascia network. A hypothesis, Bonghan-Fascia model, can shed new insight on the function of the meridian system.

REFERENCES

A. Visceral peritoneum of rat stained by Trypan blue where arrows and arrowheads indicate Bonghan corpuscles and the Bonghan ducts respectively. B In the hypodermal fat tissue in the superficial fascia layer, Trypan blue visualize Bonghan corpuscle (arrow) and Bonghan duct (arrowheads)