

# 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.

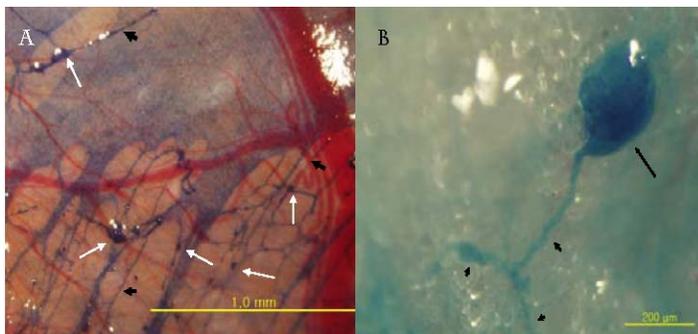
**RESULTS** Only Bonghan duct and corpuscles were stained by vital staining of Trypan blue (TB) [3]. Two figures show images of Bonghan duct and Bonghan corpuscle stained with TB.

**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

- [1] Kim BH. On the Kyungrak system. *J Acad Med Sci DPR Korea* 1963; 90: 1-35, 1963.
- [2] Langevin HM and Yandow JA. Relationship of acupuncture points and meridians to connective tissue planes. *Anat Rec.* 269:257-265, 2002.
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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)