

## AB102. The recognition of the concept of whole pelvis floor under the integrated medicine background

Dongwen Wang, Bin Zhang, Wei Zhang

Department of Urology, The First Affiliated Hospital of Shanxi Medical University, Taiyuan 030001, China

**Background:** Based on the background of the rapid development of integrated medicine, to discuss the scientific recognition of the concept of whole pelvic floor disease.

**Methods:** Basing on the theory of morphology, function, physiology and pathology of overall pelvic disease concept, integrated advanced theoretical knowledge in related fields and effective practical experience in clinical specialties. Turn data and evidence into facts, and transform knowledge and consensus into experiences. Diagnose and treat of pelvic floor diseases under a new medical system which is more suitable for human health and disease treatment.

**Results:** In pelvic floor surgery, a one-stop medical platform which include dynamic system, nerve electrophysiology system, image system, rehabilitation treatment system, non-invasive pressure measurement system, information integrated management system of pelvic floor, etc., were constructed. Under the guidance of integrated medical concepts, the concept of urinary incontinence control in

prostate surgery under 3D laparoscopic was explored with the guidance of 3D planning technology, 3D printing technology and 3D navigation technology. The precise positioning and quantification of the length of functional urethra was achieved, and the technical breakthrough of improving the overall urine control rate and negative rate of the cutting edge was achieved successfully. The preservation of the urethra at the tip of prostate and the reconstruction of the bladder neck were designed in advance and urinary control rate was significantly increased 3 months after surgery (82% to 54%). The application system of dynamic finite element stress analysis of pelvic floor tissue for urinary incontinence control was created based on the existing finite element analysis of pelvic floor. We explored a dynamic stress finite element analysis method which can be used as a reference for individualized diagnosis and treatment of urinary incontinence.

**Conclusions:** The scientific understanding of whole pelvic floor disease is more advantageous under the guidance of integrating medical concepts. In the future, it will become an upgraded new subject—pelvic floor science, so as to truly realize the health of pelvic floor and social harmony.

**Keywords:** Integrated medicine; whole pelvis floor; recognition

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