

Sitting Light Volleyball and Its Functional Sports Garment

坐地輕排球及它的多功能運動裝備

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Award 獎項



Sitting light volleyball (SLVB) is a team sport specially developed to benefit the physical and psychological health of people with physical disabilities (PWPD). Research has identified deficiencies in existing sports apparel for SLVB, which leads to movement restrictions and abrasion. An ergonomic-based, personalized garment is typically designed for SLVB to enable an accessible and enjoyable sports experience for players. With velcro and removable pads, it enhances sitting balance, and lowers movement restrictions on the floor and wearing inconvenience, thereby encouraging PWPD and older adults to participate in SLVB.

坐地輕排球是一個專為改善、提升肢體殘障人士身心健康而設的團體運動。研究發現，現有的運動服裝存在缺點，可導致運動員移動局限和更容易受傷。因此，研究團隊為坐地輕排球研發了一款符合人體工學和個人化的運動裝備，使運動員獲得便捷及輕鬆愉快的運動體驗。利用魔術貼和可拆卸的襯墊，不但提升了坐姿平衡，減輕了在地板上運動的移動和穿著的不便，從而鼓勵肢體殘障人士和長者參與運動。

Features & Applications 特點和應用

- 01** SLVB is a safer and easier team sport to enhance the fitness level and cardiovascular endurance of PWPD and reduce their fat mass
坐地輕排球對肢體殘障人士而言是更為安全和簡單的運動，有助改善心肺耐力並減少體脂
- 02** First sports garment to provide an alternative for SLVB and solve the existing limitations of sports pants
首款能解決市面運動服裝局限性及專為坐地輕排球而設的運動裝備
- 03** Draping, tailor-made, easy to wear and protective, and allows users to maintain sitting balance
耐磨、個人化、易穿著和保護性高，更能維持坐姿平衡
- 04** Makes SLVB inclusive and revolutionizes the wearing experience for PWPD and older adults
令坐地輕排球更有包容性，改革了殘障人士和老年人的穿著體驗
- 05** Effectively protects joints, muscles and the lower back area, and reduces the pain and abrasion caused by movement
有效保護關節、肌肉及下背部範圍，減輕運動帶來的疼痛和摩擦
- 06** Provides support and protection for PWPD in daily activities
可作為殘障人士日常穿著，提供支撐和保護