

HAND-FREE WALKER



Problem Statement

Walkers in the market are almost the same, so they cannot fulfill the variety demands of people who need a walking assist. All of them require people to use hand to hold or push them. It makes the user to walk in an awkward gesture, and cannot prevent falling one hundred percent. They use straight mental pipes as frames, which is too strict and not appealing.



Creating



In order to make the product look good, I'm inspired by these organic shapes, giving the new walker dynamic curves.

Inspirations from Interview



"I couldn't find a walker in the market that can fulfill my need."

"I want to recover from the surgery and regain my walking ability."

"I want to walk more and exercise more, but I'm afraid of falling."

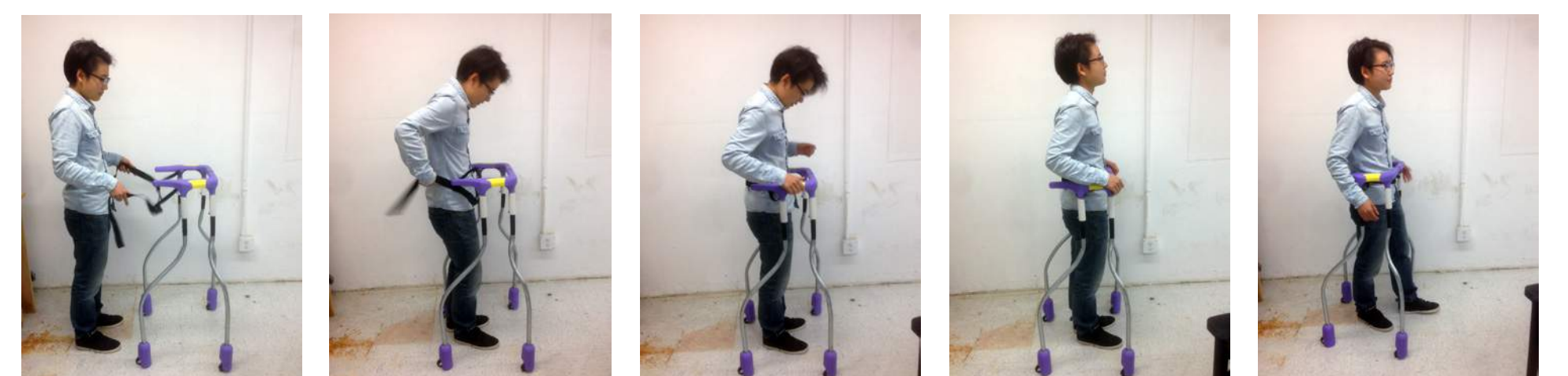
"Waist support can help people walk in a better gesture, this is what my therapist told me to use."



"Walkers and cans should be sexy."
 "Many things just need to be a little better. I want to use them to express myself."
 "They have to be beautiful. I want to be proud of them, when I show off in front of my friends."

My idea of this new walker comes from Yukun Zhang, the gentleman I interviewed. He told me about what his ideal product might be. And I keep talking to him, showing him my progress, and asking for feed back. Voices from other interviews and talks also give me lots of inspirations.

Prototype



Functions

- Attaching on the waist, move with person without hands.
- Four wheels enable rolling smoothly.
- Wheels can draw back into the legs while being pushed. After wheels draw back, it can stand stable on the ground, prevent people from falling down.
- Width and height are adjustable.
- Free between waist support and the frame in a certain range.
- The walker can be lifted up, enabling walking up and down stairs and buses.
- Beautiful appearance.

