The pediatric examination table

Perspective, top, side, back, and front views of the proposed PET in the table position
Perspective, top, side, back, and front views of the proposed PET in the chair position
Detail showing the leg piece locked to the base and the connecting tongues of the steps piece in the table position. (side piece not showed)
Detail under the seat with dowels used to lock the seat to the leg piece.
Detail of the seat with the dowels on and the axis connecting it to the leg piece.
All axis have screwed ends. (leg piece not showed)
Same detail as above but in the chair position.
Detail showing seat and leg resting on the base in the chair position.
Dimensional drawings

All dimensions are in millimeters
1. Present the front base (A).
2. Insert the steps’ piece (B) aligned behind the front base (A).
3. Interlock the left side (D) and the right side (C) with the steps’ piece (B).
4. Insert the hexagonal bar (H) through the base (A+B) and the sides (C and D).
5. Present the backrest (E) and insert the main axis through the right side (C), steps’ piece (B), backrest (E), and left side (D).
   Screw the axis’ ends (S).
6. Present the seat (F) and insert the 2nd axis through the backrest (E) and the seat (F).
   Screw the axis’ ends (s).
7. Present the leg piece (G) and insert the 3rd axis through the seat (F) and the leg piece (G).
   Screw the axis’ ends (s).
8. Lock the leg piece (G) on the hexagonal bar (H) and slide in the two dowels (w) into the leg to lock the seat.


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Nancy Shute. Madam Montessori. Fifty years after her death, innovative Italian educator Maria Montessori still gets high marks. Smithsonian, September 2002. P70


Laurie Zagon. Colors for Healthcare. From Design technology: selecting appropriate colors for healthcare (two hour workshop in which participants used watercolors to do painting exercises). Journal of Healthcare Interior Design Vol V, p. 135*


Karin Tetlow. CEU Course: Research improving the Quality of Healthcare Design. Journal of Healthcare Interior Design Vol VI, p. 177*


*Journal of Healthcare Interior Design contains the edited proceedings of the 5th Symposium on Healthcare Design held in November 19th-22nd, 1992 in San Diego California and was published by National Symposium of on HealthCare Design Inc. and Wayne Ruge.
Any other picture illustrating this thesis and not listed above was taken by the author.
Committee members for the constant support

Edward Dorsa for the guidance in making the 3D model

Andy Honaker for the assistance with computers in the development the book

Heather Ball and the staff of the Architecture Library for the help during research

Peter Buescher for editing my proposal and Bonnie Johnson for the research suggestions

Guy for the unconditional comprehension and support

Sylvie, Chantal and Etienne for being my amazing children
Elena D’Alessandro was born in Montevideo, Uruguay in 1967. In 1997 she graduated as an Architect from the school of Architecture, University of the Republic of Uruguay (Facultad de Arquitectura de la Universidad de la Republica Oriental del Uruguay). She is an independent architect since then. In August 2000 she began her graduate studies in Industrial Design in the College of Architecture and Urban Studies at Virginia Tech, which culminated with this thesis project.

She is married to Guy Hareau and they have three children, Sylvie, Chantal and Etienne.