



SIGNIFICANT CLINICAL TRIAL RESULTS



with the POSTHORAX PRO support vest (n = 12512)

**Mediastinitis – Atelectasis – Mechanical Quality of Life – Pain
Respiratory Function – Hospitalization – Cost**

Large Prospective Randomized Multicenter Trial – Hospital Hietzing Vienna, AUSTRIA University Heart Center Hamburg, Heart Center Nuremberg, GERMANY	(n=2539)
Reduction of deep WHC from 2,27 % to 1,04 % / M. Gorlitzer, F. Wagner, S. Pfeiffer, M. Grabenwoeger, T. Fischlein, H. Reichenspurner	-54%
Cohort Study – University Heart Center Hamburg, GERMANY	(n=2632)
Reduction of deep WHC from 2,39 % to 0,88 % / FM Wagner, H. Reichenspurner	-63%
Evaluation of Force Distribution in a Biomechanical Analysis – Medical University Vienna, AUSTRIA	(n=60)
Unique positive effect of Posthorax (8 Nm) - flexible bandage (2 Nm) / M.Bijak et al	
Cohort Study – Robert - Bosch - Hospital Stuttgart, GERMANY	(n=3280)
Reduction of sternal wound complications from 1,9% to 0,4% / M. Albert, UFW Franke	-76%
Study in Obese Cardiac Patients – University Hospital Mainz, GERMANY	(n=260)
Reduction of deep sternal WHC in high risk patients from 10,7% to 4,7 % / K. Buschmann, C.F. Vahl	-56%
Cohort Study – University Hospital Southampton NHS, UNITED KINGDOM	(n=265)
Reduction of deep sternal wound complications from 2,1 % to 1,2 % / N. Nikolaidis, C. Barlow	-43%
Cohort Study – Karolinska University Hospital Stockholm, SWEDEN	(n=978)
Reduction of mediastinitis from 2,2 % to 0,6 % / H. Jonsson, S. Nyrén	-72%
Cohort Study – Karolinska University Hospital Stockholm, SWEDEN	(n=198)
Reduction atelectasis stage 4 / J. Torkelson, H. Jonsson	-69,5%
Cohort Study – University Heart Center Zurich / Triemli, SWITZERLAND	(n=1689)
Reduction of deep sternal wound infection from 3,2 % to 1,5 % / H. Loeblein, M. Genoni	-52%
Prospective Randomized Clinical Trial – University Hospital Novara, ITALY	(n=310)
Reduction in-hospital stay and readmission rates, saving costs 60,5% / P. Caimmi, M. Cannas	-62%
Prospective Randomized Study – Clinica Del Lavoro, Milano, ITALY	(n=80)
Respiratory study, randomized. Testing of cardiopulmonary %VO ₂ , Plethysmograph TLC%, DLCO%, KCO%, EuroQoL. / S.Di Marco, M. Bussotti	
Cohort Study – Medicana Hospitals Group, Istanbul, TURKEY	(n=221)
Significantly lower dehiscence with use of thorax support / Sezai Celik, A. Kirbas	

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