

## PUBLICATIONS

Spieth PM, Carvalho AR, **Gueldner A**, Pelosi P, Kirichuk O, Koch T, Gama de Abreu M  
**Effects of different levels of pressure support variability in experimental lung injury**  
*Anesthesiology*. 2009 Feb;110(2):342-50 (*Impact Factor: 5,486; JCR 2010*)

Spieth PM, **Gueldner A**, Gama de Abreu M  
**Anesthesia in patients with chronic obstructive pulmonary diseases**  
*Anaesthesist*, 2010 Jan; 59:89-98 (*Impact Factor: 0,729; JCR 2010*)

Gama de Abreu M, **Güldner A**, Koch T  
**Protective ventilation in the operating room : Absence of evidence is not evidence of absence**  
*Anaesthesist*. 2010 Jul;59(7):593-4 (*Impact Factor: 0,729; JCR 2010*)

Carvalho AR, Spieth PM, **Güldner A**, Cuevas M, Carvalho NC, Beda A, Spieth S, Stroczyński C, Wiedemann B, Koch T, Pelosi P, Gama de Abreu M.  
**Distribution of regional lung aeration and perfusion during conventional and noisy pressure support ventilation in experimental lung injury**  
*J Appl Physiol*. 2011 Apr;110(4):1083-92 (*Impact Factor: 4,232; JCR 2010*)  
Carvalho AR, Spieth PM, **Güldner A** – equally contributed first autor

Spieth PM, Carvalho AR, **Güldner A**, Kasper M, Schubert R, Carvalho NC, Beda A, Dassow C, Uhlig S, Koch T, Pelosi P, Gama de Abreu M.  
**Pressure support improves oxygenation and lung protection compared to pressure-controlled ventilation and is further improved by random variation of pressure support**  
*Crit Care Med*. 2011 Apr;39(4):746-55 (*Impact Factor: 6,254; JCR 2010*)  
Spieth PM, Carvalho AR, **Güldner A** – equally contributed first autor

Beda A, Carvalho NC, **Güldner A**, Koch T, de Abreu MG.  
**Mechanical ventilation during anaesthesia: challenges and opportunities for investigating the respiration-related cardiovascular oscillations.**  
*Biomed Tech (Berl)*. 2011 Jul 6. [Epub ahead of print] (*Impact Factor: 0,59; JCR 2010*)

Spieth PM, **Güldner A**, Carvalho AR, Kasper M, Pelosi P, Uhlig S, Koch T, Gama de Abreu M.  
**Open lung approach vs acute respiratory distress syndrome network ventilation in experimental acute lung injury.**  
*Br J Anaesth*. 2011 Jun 7. [Epub ahead of print] (*Impact Factor: 4,224; JCR 2010*)