

## Resources Relevant to Surgical Education

### Associations:

The Association for Program Directors of Surgery, <http://www.apds.org/>

The APDS is focused on residency education, both coordinating the resident work pool to make sure that there is sufficient coverage and ensuring that the residents get a good educational experience.

The Association for Surgical Education, <http://www.surgicaleducation.com/>

This website has a clearinghouse for surgical education relevant materials that are available for free or for purchase. Free materials includes not only the quarterly newsletter "Focus on Surgical Education" but also a series of useful handbooks like those listed below:

### Handbooks

"Surgical Educator's Handbook"

"The Manual of Surgical Objectives: A Symptom and Problem-Based Approach"

"The Objective Structured Clinical Examination"

"Nurses in Surgical Education (NSE) Reference Manual"

"Surgical Curriculum Coordination: A Guide for Newbies"

"Manual on Preparing Surgical Case Reports for Presentation or Publication"

### Journals

In addition the American Journal of Surgery features occasional papers from the presentations at the ASE, which are labeled right on the front of the journal as ASE related papers. There are also papers each month (or so) that are direct submissions, and they are usually labeled "surgical education". Education oriented papers also show up occasionally in the Journal Surgery and in Surgical Research.

### A Selection of Papers relevant to Surgical Education to display the breadth of research in this area:

Grober ED, Hamstra SJ, Wanzel KR, Reznick RK, Matsumoto ED, Sidhu RS, Jarvi KA. Laboratory based training in urological microsurgery with bench model simulators: a randomized controlled trial evaluating the durability of technical skill. J Urol. 2004 Jul;172(1):378-81.

Wanzel KR, Hamstra SJ, Anastakis DJ, Matsumoto ED, Cusimano MD. Effect of visual-spatial ability on learning of spatially-complex surgical skills. Lancet. 2002 Jan 19;359(9302):230-1.

DaRosa DA, Folse JR, Reznick RK, Dunnington GL, Sachdeva AK. Description and evaluation of the Surgeons as Educators course. J Am Coll Surg. 1996 Nov;183(5):499-505.

Schwind CJ, Boehler ML, Rogers DA, Williams RG, Dunnington G, Folse R, Markwell SJ. Variables influencing medical student learning in the operating room. Am J Surg. 2004 Feb;187(2):198-200.

Rogers DA, Elstein AS, Bordage G. Improving continuing medical education for surgical

techniques: applying the lessons learned in the first decade of minimal access surgery. *Ann Surg.* 2001 Feb;233(2):159-66.

Mendoza KA, Hauge LS, DaRosa D. The responsibilities and contributions of professional educators in surgery departments. *Am J Surg.* 2004 Aug;188(2):126-30.

Dutta S, Dunnington G, Blanchard MC, Spielman B, DaRosa D, Joehl RJ. "And doctor, no residents please!". *J Am Coll Surg.* 2003 Dec;197(6):1012-7.

Angelos P, DaRosa DA, Derossis AM, Kim B. Medical ethics curriculum for surgical residents: results of a pilot project. *Surgery.* 1999 Oct;126(4):701-5; discussion 705-7.

Anastakis DJ, Wanzel KR, Brown MH, McIlroy JH, Hamstra SJ, Ali J, Hutchison CR, Murnaghan J, Reznick RK, Regehr G. Evaluating the effectiveness of a 2-year curriculum in a surgical skills center. *Am J Surg.* 2003 Apr;185(4):378-85.

Wanzel KR, Brown MH, Anastakis DJ, Regehr G. Reconstructive breast surgery: referring physician knowledge and learning needs. *Plast Reconstr Surg.* 2002 Nov;110(6):1441-50; discussion 1451-4.

Lingard L, Reznick R, DeVito I, Espin S. Forming professional identities on the health care team: discursive constructions of the "other" in the operating room. *Med Educ.* 2002 Aug;36(8):728-34.