

Realists

RealSpine

vs

Cadavers

Price

Our services may be up to 19% cheaper. Reducing costs in training facilities, training duration and transportation of trainees.



Cost-intensive

Cadaver could be costly to obtain, embalm, store, maintain and dispose. Providing surgical training facilities is also expensive.⁽¹⁾⁽²⁾⁽⁴⁾

Standardization

Conduct your training on the same patient under the same conditions, as often as you need.



Training without pathology

Due to the shortage of cadavers ⁽¹⁾⁽⁴⁾, is unlikely to find a specific pathology for the training.

Flexibility

The training is possible in the OR, in conference room, classroom or in a training lab - our training systems adapt to any environment.



Restricted training spaces

Can only be used in specialized facilities such as anatomical labs.

Realistic Anatomy

Accurate simulation of live surgery conditions in terms of anatomy, tissues and bleeding.



Postmortem Changes

Cadaver anatomy is different from living anatomy. It misleads due to postmortem changes.⁽²⁾

No Bio Hazards

The synthetic materials of RealSpine accurately simulate the real tissues and fluids without presenting any risk to the health of surgeons.



Potential Bio Hazard

Dangers of embalming fluid components (formaldehyde, xylene) and infectious diseases (HIV, tuberculosis, hepatitis).⁽²⁾⁽³⁾

Availability

The diversity of pathologies that we offer and its possible procedures are available at any time and worldwide.



Limited supply

The supply of cadavers is limited. The shortage is due to several factors, mainly religious, ethical and cultural.⁽¹⁾⁽²⁾⁽⁴⁾

References

1. Gilbody, J., Prasthofer, A. W., Ho, K., & Costa, M. L. (2011). The use and effectiveness of cadaveric workshops in higher surgical training: a systematic review. *Annals of the Royal College of Surgeons of England*, 93(5), 347-52.
2. Ashraf Aziz, M & C McKenzie, James & S Wilson, James & Cowie, Robert & A Ayeni, Sylvanus & Dunn, Barbara. (2002). The human cadaver in the age of biomedical informatics. *The Anatomical record*. 269. 20-32. 10.1002/ar.10046.
3. Selim Mohamed Elshaer, Noha & Awad Elsayed Mahmoud, Madiha. (2017). Toxic effects of formalin-treated cadaver on medical students, staff members, and workers in the Alexandria Faculty of Medicine. *Alexandria Journal of Medicine*. 53. 10.1016/j.ajme.2016.11.006.
4. Singh, A., Sharma, R., Sharma, R., & Musmade, D. (2011). Challenges In Cadaver Availability For Learning And Research In Medical Sciences. *International Journal of Medical and Clinical Research*, 2(2), 67-71. doi:10.9735/0976-5530.2.2.67-71

Realists

The most complete surgical training

Realists Headquarters

Realists Training Technologies GmbH

Heinrich-Heine-Straße 35
04178 Leipzig, Germany
Tel: +49 341 2234 6765
contact@realists.de

Realists Mexico

BB EDUCATION
Mexico City, Mexico
mexico@realists.de

Realists Latin America

Colombia
latinamerica@realists.de

Realists Australia & Asia Pacific

Sydney, Australia
asia-pacific@realists.de

www.realists.de



Made in Germany