The Best Translational Paper
A Beauty Contest in Science

Translational Research?
Not Basic science research!
It is translation information from basic science that will enhance human health and well-being. Translates findings in fundamental research for medical practice and improved health outcomes. Most people identify it as some type of bench to bedside research. Chain process from laboratory experiments into clinical trials to point-of-care patient application. The end point is the production of a promising new treatment that can be used with practical applications or that can then be used clinically.

The Big Picture
To win the beauty contest:

Basic research with clinical applications. Tested in laboratory preferably with several studies on different facets of hypothesis. Then needs to be proven in clinical application- and is ready to be used by the general population if clinicians.

How to Judge the Contest

Normal Course for Basic Science to get to Bedside

17 years!!!

Chart showing the approximate range and average time lag reported in studies of time lags in health research.
Quintissential Favorite Illustration
Best translational research applying to my practice.

Tibia reaming studies from E Schemitsche et al.

Today's Winner
Qualification – had to happen in last year!!

Little under the 17 year rule?
I like to think there is a better way to fix patellas. I hate the k-wire standard.

NOTES:

References

Clin Orthop Relat Res. 2011 May;469(5):1487-97. 100 most cited articles in orthopaedic surgery. Lefaivre KA1, Shadgan B, O'Brien PJ.


J Orthop Trauma. 2015 Nov 25. Reaming Does Not Affect Functional Outcomes After Open And Closed Tibial Shaft Fractures: The Results Of A Randomized Controlled Trial. Lin CA et al.

J Orthop Trauma. 2015 Sep;29(9):e305-8. Biomechanical Assessment of Locked Plating for the Fixation of Patella Fractures. Wurm S1, Augat P, Bühren V.


J R Soc Med. 2011 Dec;104(12):510-20. The answer is 17 years, what is the question: understanding time lags in translational research. Morris ZS, Wooding S, Grant J