

Duke Knee Study: Cost Savings & Durability Data

Duke University knee research reinforces what Regenexx data have historically demonstrated when compared to surgery¹:

Regenexx Approach Compared to TKR*//PKR[†]

Time Horizon		1 year	2 years	3 years	4 years
COST SAVINGS	✕✕ Cost Savings (Commercial Payer Avg. Costs)	~\$13,556 less	~\$11,796 less	~\$10,810 less	~\$11,360 less
		TKR/PKR cost ~1.8x more than the Regenexx approach across all time horizons (1-4 years).			
DURABILITY	✕✕ Surgical Conversion Rate	Below reporting threshold			
		~11.3%	~12.2%	~11.2%	~11.7%
	TKR/PKR Reoperation Rate	~1 in 9 TKR/PKR patients required a subsequent same-side procedure each year through 4 years.			

Note: "Below reporting threshold" indicates fewer than 11 surgical conversion events were observed among Regenexx provider patients at every follow-up; the arrow indicates this held through 4 years. "Surgical conversion rate" refers to Regenexx provider patients who went on to TKR/PKR. "Reoperation rate" refers to TKR/PKR patients who required a subsequent same-side procedure.

Regenexx Approach Compared to Meniscus Surgery

Time Horizon		1 year	2 years	3 years	4 years
DURABILITY	✕✕ Surgical Conversion Rate	Below reporting threshold			
		Regenexx provider patients rarely went on to meniscus surgery across all 4 years.			
	Meniscus Surgery Repeat Procedure Rate	~5.1%	~6.0%	~7.2%	~7.1%
	Meniscus Surgery Progression to TKR/PKR	~1.9%	~3.5%	~5.2%	~6.0%
		~1 in 17 meniscus surgery patients progressed to knee replacement by Year 4.			

Note: "Surgical conversion rate" refers to Regenexx provider patients who went on to surgery. "Below reporting threshold" indicates fewer than 11 surgical conversion events were observed among Regenexx provider patients at every follow-up; the arrow indicates this held through 4 years. "Repeat procedure rate" refers to meniscus surgery patients who required a subsequent same-side meniscectomy. "Progression to TKR/PKR" refers to meniscus surgery patients who subsequently underwent knee replacement.

To learn more, contact the Regenexx Corporate Sales Representative who shared this data with you.

*TKR=total knee replacement. †PKR=partial knee replacement.

References

1. Duke University data on file.

Note: The Duke HEOR study data have not yet been finalized by authors. It may contain errors and report information that is not yet accepted or endorsed by the scientific or medical community. The Duke knee and spine studies were sponsored by Regenexx. Per the knee and spine study papers, the sponsor had no role in the conduct of the analyses, interpretation of the data, or manuscript preparation. Duke University investigators had full access to all study data and retained final responsibility for the content of the manuscripts and the decision to submit for publication. Both studies were retrospective, observational analyses using propensity-matched cohorts representing patients who elected orthobiologic treatment among those eligible for surgery, as with any non-randomized comparison, the potential for selection bias cannot be fully excluded. Patients often characterize Regenexx's non-surgical treatment options as "stem cell" or "regenerative medicine" procedures using Regenexx lab processes. For more information about these terms and how Regenexx defines them, please visit <https://regenexx.com/our-approach/stem-cells/>. Like all medical interventions, procedures using Regenexx lab processes have a success and failure rate. Regenexx provider patient reviews and testimonials in this document should not be interpreted as a statement on the effectiveness of regenerative therapy for anyone else. Industry professional reviews and testimonials reflect the experience of that entity with the Regenexx Corporate Program. To discuss what a partnership with Regenexx could look like for your company or client, contact our team. The information provided by Regenexx is for informational purposes only and is not intended or implied to be a substitute for professional medical advice, diagnosis, or treatment. Regenexx is not a teaching institution or medical practice, and does not engage in the training of physicians or the practice of medicine. Physicians listed on the Regenexx websites are independent contractors who have licensed certain Regenexx intellectual property. Nothing on the Regenexx webpages, the Regenexx blog, any informational videos, or other marketing materials should be interpreted as endorsing a particular physician or establishing an employer-employee, partnership, or agency relationship between Regenexx and any physician.

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