

UTHR



18th consecutive quarter of

y/y¹ revenue growth

Is patient focused, sets social good sometimes above financial profit

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https://www.betterinvesting.org/chapters/rocky-mountain

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Agenda

- Price Changes: Recent Drop, followed by huge price jump
- 2nd Quarter Slides: patent expiration, new developments & competition
- SWOT Examination
- Analyst and ai Interpretations
- SSG Analysis with Benchmarks: Create rational SSG
 - · Conservative SSG
 - Cautiously Optimistic SSG
 - Optimistic SSG

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What Triggered the 16% Price Drop? June 10, 2025

- News: Competitive threat from Insmed's positive data
- Insmed's experimental therapy for Pulmonary Arterial Hypertension (PAH) succeeded in a mid-stage trial



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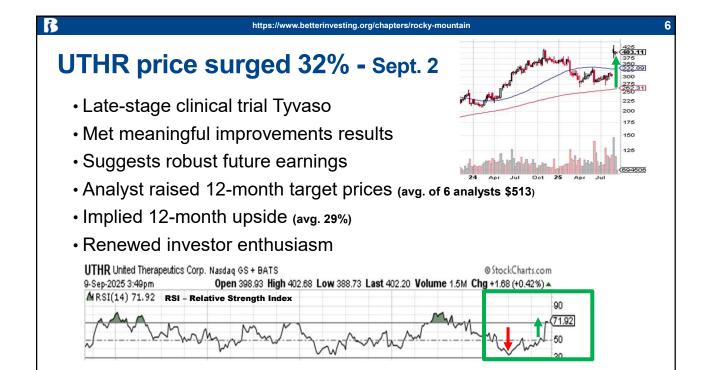
Price Dropped 16% – June 10, 2025

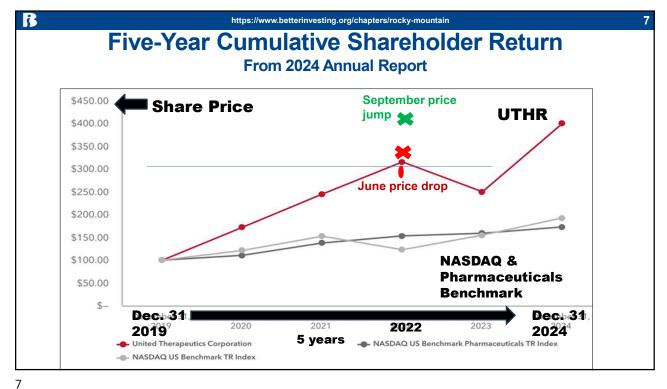
- Buying Opportunity or Falling Knife?
- Selloff triggered by credible competitive threat
- Competitor is 3-5 years from FDA approval

UTHR remains fundamentally sound, with strong profitability and analyst support

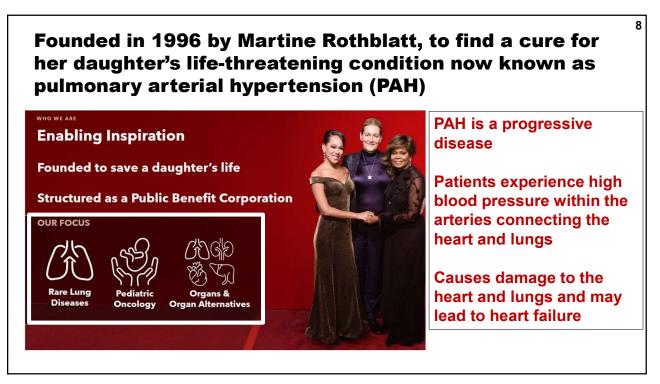
Bottom line: UTHR is closer to a buying opportunity

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Martine training blends
deep technical
knowledge in satellite
engineering, law,
business strategy,
bioethics, and
biomedical
engineering

She is able to bridge fields to drive major innovation

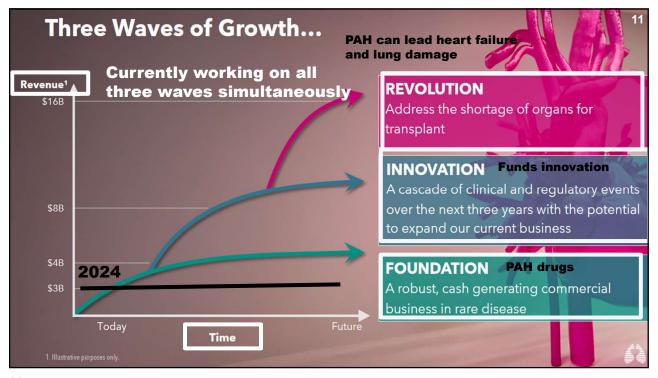
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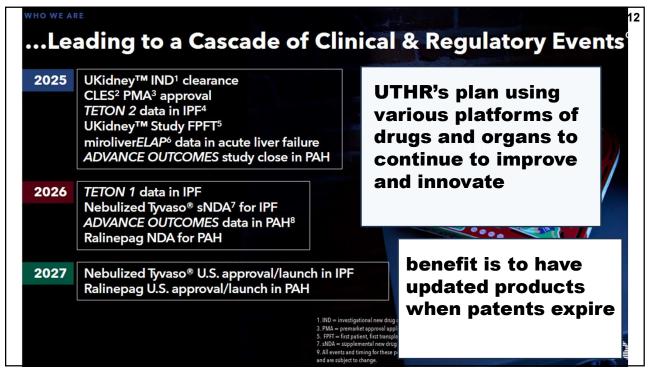
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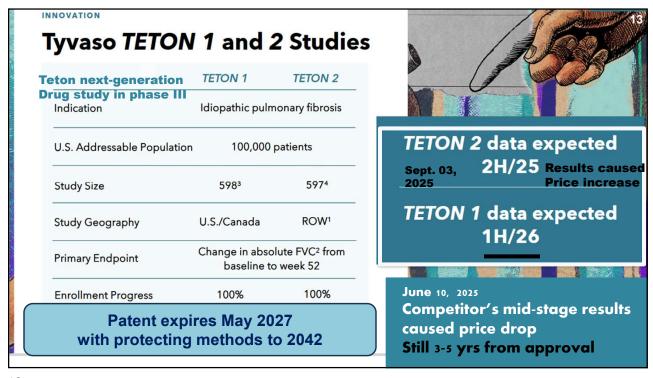
PAH Market Size

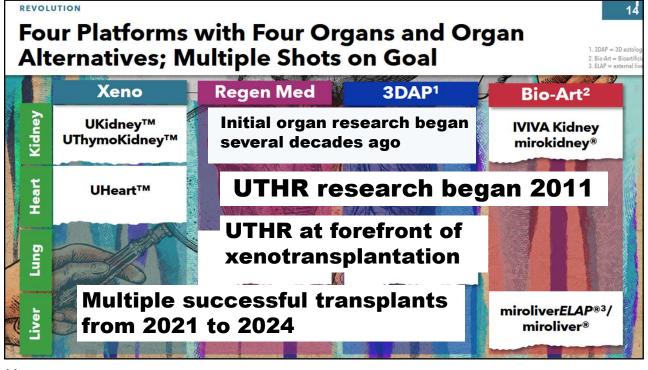
- ·U.S. patients 40,000
- •U.S. is 38% the global market
- · Global market \$8.1 Billion
- Market expected to double by 2030
- Driven by increasing disease prevalence
- Improved detection and treatment

· Source: Perplexity.ai & Claude.ai









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Poonlo on Organ Waiting Lieta 105 000

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People on Organ Waiting Lists – 105,000

Includes kidney, heart, lung and liver

• Kidney - from deceased donor, average wait 3-5 years or longer

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- Deaths on Waiting List about 13 people die each day
- Patients added to list every day ~ 150
- Donor transplants annually
 - ~ 48,000 organs from 24,000 donors

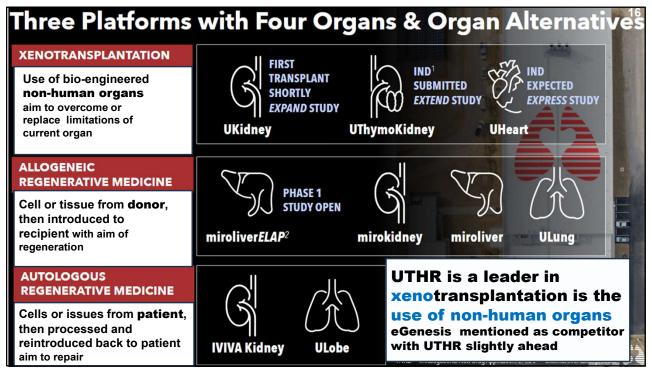
Demand Far Exceeds Available Organs



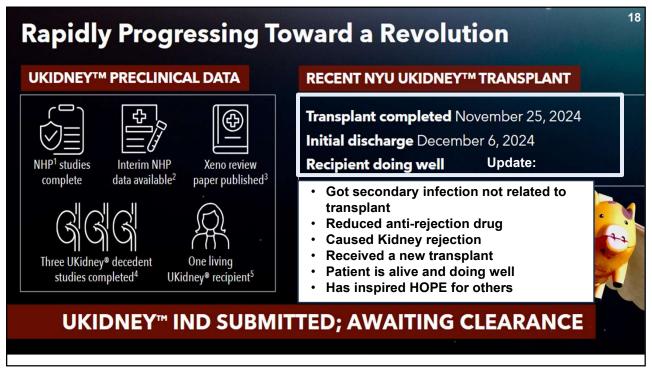


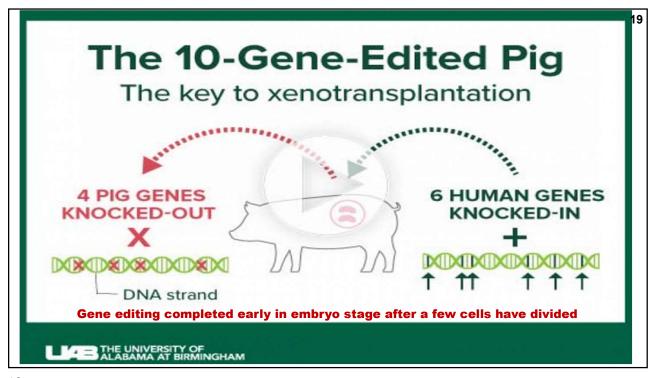


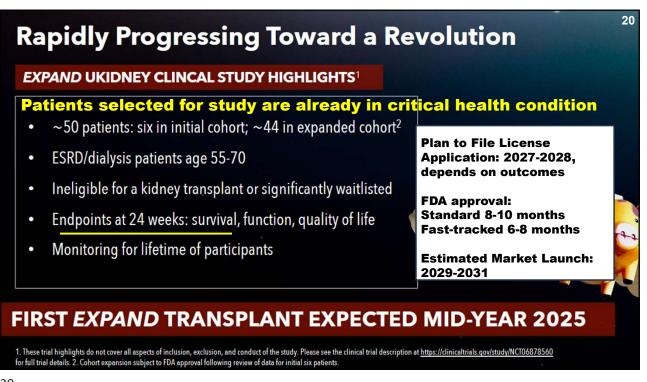




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UTHR compared to eGenesis Organ program								
Feature	United Therapy	eGenesis						
Gene Editing	10 edits Rejection / control of organ growth	69 edits Rejection / pig retroviruses						
Clinical Size	6-50 patients	3 patients						
Monitoring period	12-weeks intervals	6-months intervals						
Immunosuppression	Standard human to human	Investigational, varied						
Summary	Focuses on scalable clinical implementation	Pursues more extensive genetic modifications, more cautious deployment						

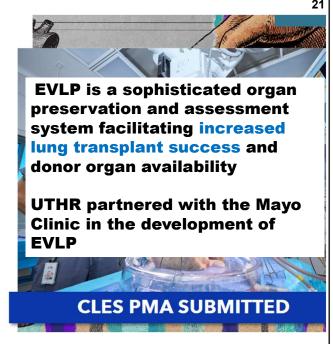






Ex-Vivo Lung Perfusion Many there 930 have productions resulting

- More than 830 lung evaluations, resulting in over 500 successful transplants¹
- Lungs transplanted through EVLP² would have otherwise been discarded
- Two methods used:
 - XPS³: Third-party supplied EVLP device
 - CLES⁴: Internally-developed device with potentially broader applications
- CLES PMA⁵ submitted in September; FDA decision expected in 2025.



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REVOLUTION

miroliverELAP®: the First Bioengineered Organ Alternative to Enter Human Clinical Trials

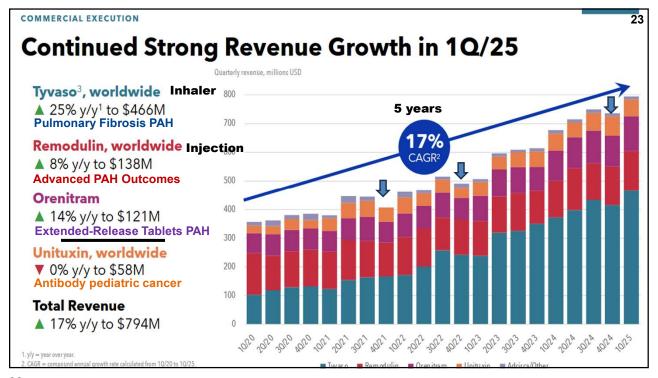
- External liver assist product (ELAP) intended to provide liver support in the critical care setting
- Acute liver failure is a devastating condition with no approved drug or medical device interventions: 30% of adults die and 25% receive liver transplants
- ELAP is intended to give the native liver an opportunity to heal itself, possibly reducing the need for transplant

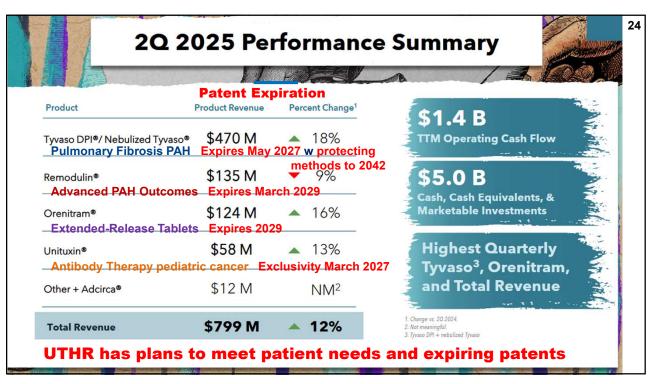


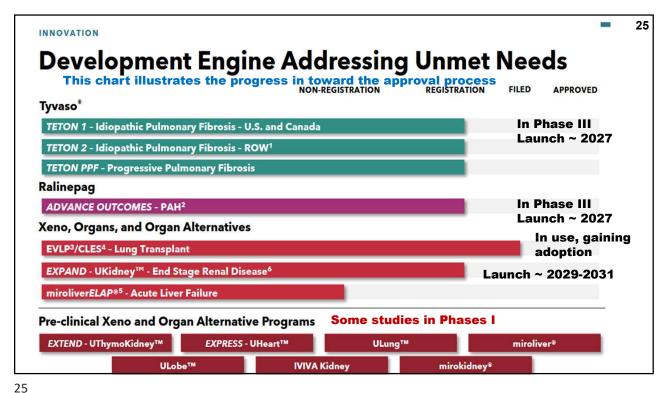
ELAP designed by UTHR provides external liver support allowing the native liver a chance to heal itself providing external bioengineered support system avoiding or delaying need for liver transplant

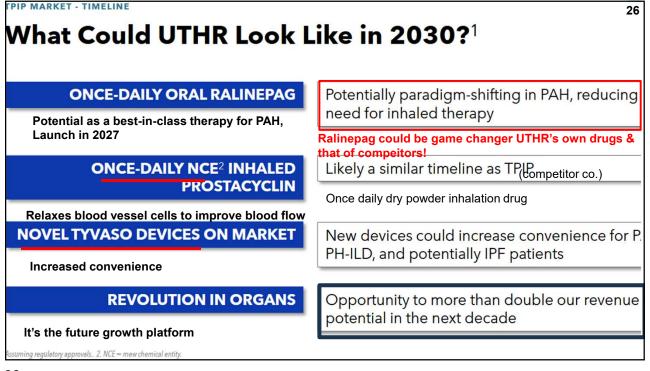
Partnered with Intermountain Health in Utah, first patient in 2025











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Strengths - Internal

- Specialized Market Leadership -Leader in PAH market, holds key patents
- Robust Revenue Growth and Profitably – High revenue per employee, high operational efficiency
- Innovative and Sustainable
 Culture Recognized for innovation,
 commitment to patient care, attracts top
 talent, high employee retention
- Therapy approvals six FDA approvals in past decade and 12 ongoing clinic trails, additional approvals likely over the 2028 – 2030 time-frame
- Financial Stability maintains strong profitability metrics

Weakness - Internal

- Heavy Reliance on Key Products – Concentration makes vulnerable to market shifts or more focused
- Patent Vulnerabilities Could lead to a revenue decline due to generic competition. Ralinepag could be game changer
- High Research and Development Costs

 — Could threaten profitability
- Regulatory and Legal Risks Carries potential for costly setbacks or data security

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Opportunity - External

- Expansion into New and Emerging Markets – Strategic partnerships offer untapped potential
- Technological Advances in Organ Transplantation –Presents new growth and revolutionary changes to grow portfolio
- Diversification of Portfolio Strong incentive to broaden pipeline to create additional revenue sources
- Regulatory Tailwinds Could unlock new revenue streams, particularly in gene and regenerative medicine

Threats - External

- Competitive Pressures and Patent Expirations – Patent expirations could impact revenue
- Pharmaceutical Pricing and Reimbursement Pressures – Could compress margins and profitability
- Regulatory Hurdles Introduces risks of delays or failures threating pipelines and revenue streams
- Emerging Technologies Could disrupt current treatment paradigms

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Value Line August 29, 2025

- Continues to expand its pipeline
- Has five phase studies underway
- Pending marketing application at the FDA,
- Several new preclinical candidates, plus three for xeno-organs
- PAH therapies is becoming competitive
- **Prostacyclin** utilization continues to expand (helps patients primarily by mimicking the natural prostacyclin in the body)
- UTHR portfolio **remains well-positioned** to capture additional share of a **growing patient population**

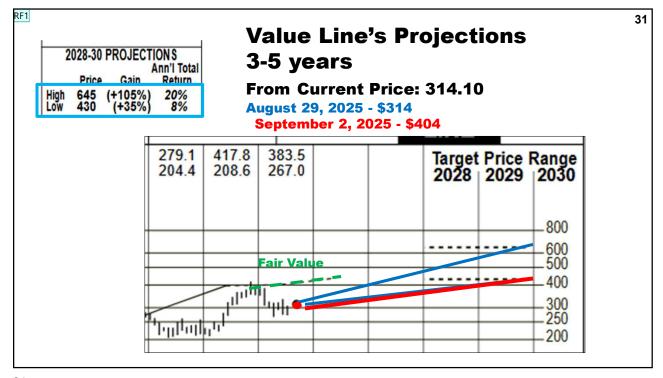
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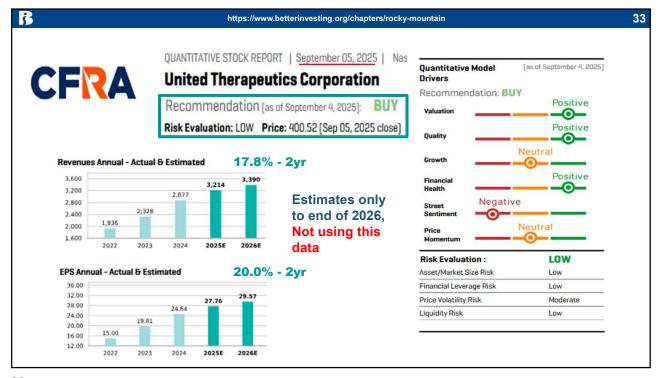
Value Line August 29, 2025

- New threat to Tyvaso, it represents 58% of revenue
- Competitor Drug, TPIP Phase II, 1x a day dosage with 35% improvement
- Tyvaso 2 data due in September may pave way improved options – Update: results positive caused price jump
- Board authorized share repurchase of 1 Billion
- Value Line didn't change Sales & EPS estimates from previous report
- · Next report late November





RF1 Ralph Futch, 9/15/2025



UTHR's Resilience

 Q2 2025 showed 12% revenue growth despite misses on expectations, with Tyvaso DPI driving uptake

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- Earnings call transcripts noted "potential competitive pressure" from new treatments like Liquidia's treprostinil"
- Internal acknowledgment, "Variability in pulmonary disease studies,"
- Ralinepag could be game changer, reducing need for inhaler therapy, Tyvaso

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UTHR – Organ Program Timeline to Sales

- •2025-2028: Minimal to no organ sales
 - · Compassionate use and early trials
- 2029-2031: Earliest meaningful sales from xenotransplants, potentially \$10-50 million/year, if approved by 2029-2030
 - Bioengineered organs (miroliverELAP) could follow by 2031, adding \$10-50 million
- 2032-2035: Sales could scale to \$100-500 million annually if xenotransplants gain
- 2037+: Potential for \$1 billion+ in organ sales if multiple programs achieve approvals
 - scale to address 5-10% of U.S. waitlists (5,000-10,000 patients)
- 2025 Annual sales projected (\$800 million per Q) ~ \$3.2 billion

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Conservative SSG Study Completed in September After price jump Using Value Line Benchmarks

Sales - Estimate

• 13.3% Manifest Investing 5 yrs

• 12.0% Value Line 3-5 years

• 9.1% Morningstar 2 yrs

• 34.4 /3 = 11.4% avg.

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EPS - Estimate

• 11.5% Value Line

• 11.5% Manifest Investing

• 8.3% Perplexity.ai next 2-3 years

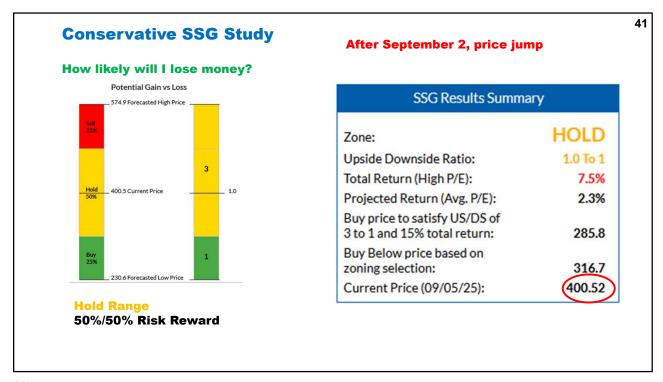
• 5.2% Finviz

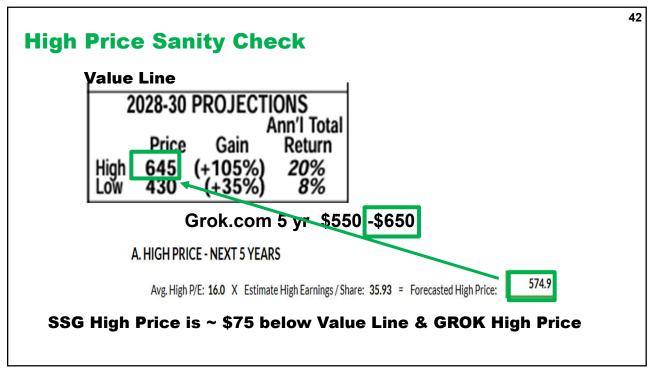
• 2.5% Zacks

• 39 / 5 = 7.8% avg.



	CURREN	NT PRICE (0	<mark>8/22/25)</mark> 400.52	52-WEEK H	IGH: 417.82	52-WEEK LOW:	266.98
● 5 Years ○ 10 Years	s A	A B		D	E	F	0
Year	Pri	Price Ea		arnings Price Earni		Dividend	% Pa
	High	Low	Per Share	High A/C	Low B/C	Per Share	F/C
2020	152.8	75.6	11.54	13.2	6.5	0.00	
2021	218.4	150.7	10.06	21.7	15.0	0.00	
2022	283.1	158.4	15.00	18.9	10.6	0.00	
2023	279.1	204.4	19.81	14.1	10.3	0.00	
2024	417.8	208.6	24.64	17.0	8.5	0.00	
5 YEAR AVERAGE		159.6		15.8	9.0		
CURRENT/TTM			25.62	16.3	10.4	0.00	
5 YEAR AVERAGE PRICE EA	RNINGS RATIO:	12.4		(CURRENT PRICE EA	RNINGS RATIO: 12.	2





Cautiously Optimistic SSG Study

Completed in September
After September price jump
Using Value Line Benchmarks

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UTHR - Why to be Optimistic

- Five Phase III trails in the past 100% success
- Industry average for Pulmonary 50-60% success
- ·Why UTHR successful
 - Focus on prostacyclin
 - · Phase II data is strong
 - Patient populations well-defined

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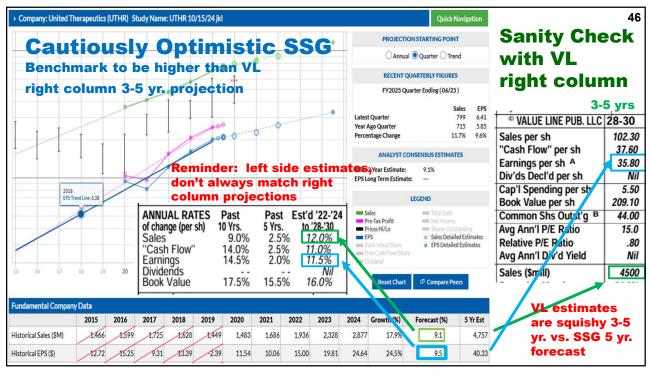
Rationale for Cautiously Optimistic SSG

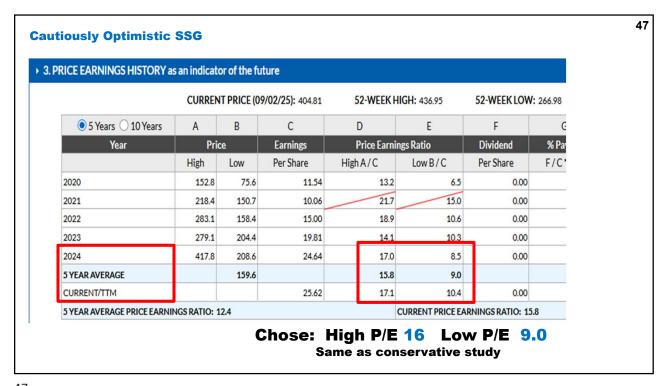
• Tyvaso patent expires in 2027, protecting methods 2042

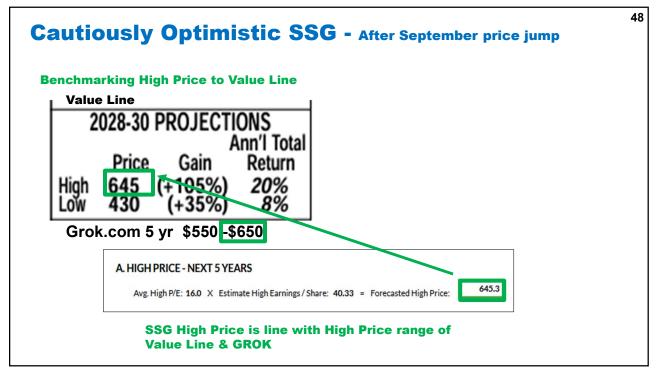
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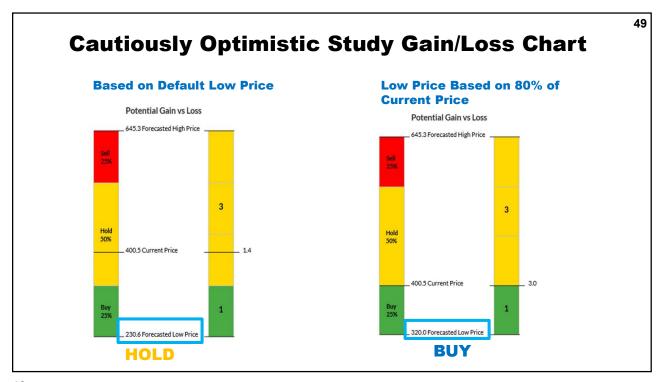
- 59% of revenue
- Remodulin expires 2029, 17% of revenue
- Orenitram expires 2029, 16% of revenue
- Untuxin exclusivity expires 2027, 7% of revenue
- Xeno organs possibility available as early as 2029 2031
- Tyvaso Teton 2 study positive data in Phase III study
- Ralinepag, possibly a game changer to Tyvaso
 - launch expected 2027

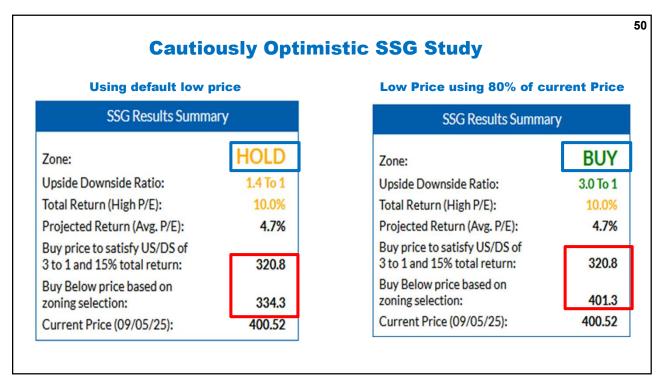
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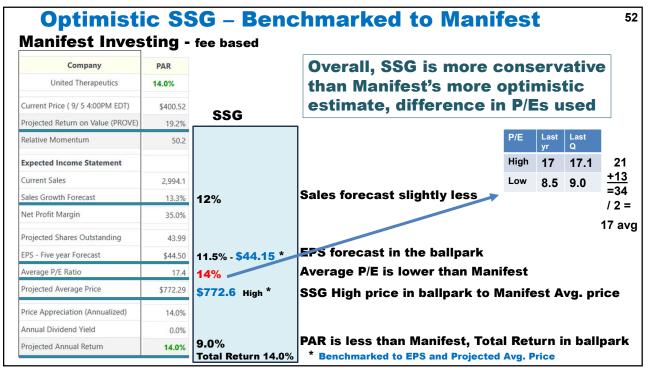








Optimistic SSG Study Completed in September After September price jump Using Manifest Investing Benchmarks



2nd Optimistic Study: Changed Low Price Option

• Used 80% of Current Price = \$320.4

• Zone: Buy based on Zoning selection

• High Price: \$772

• U/D Ratio: 4.6 to 1

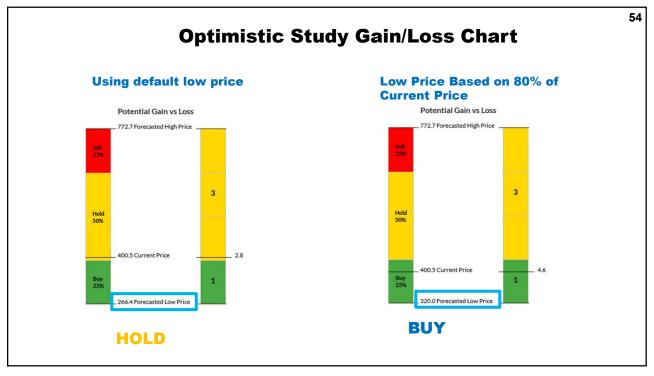
• Total Return: 14%

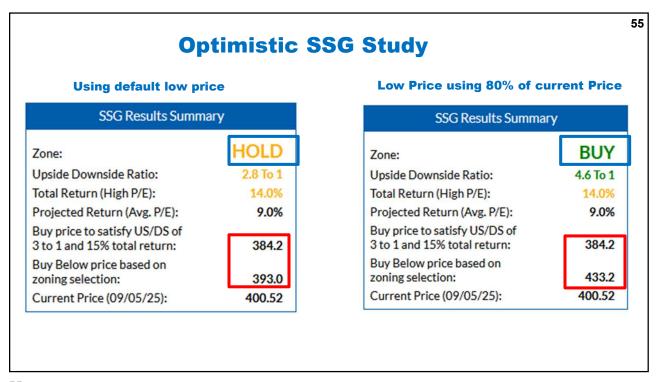
• PAR: 9%

• Buy Below for 3 to 1 ratio: 384.1

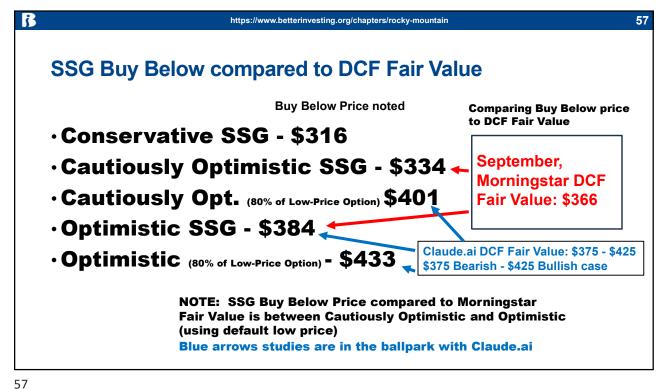
• Buy Below based on zoning: 433.5

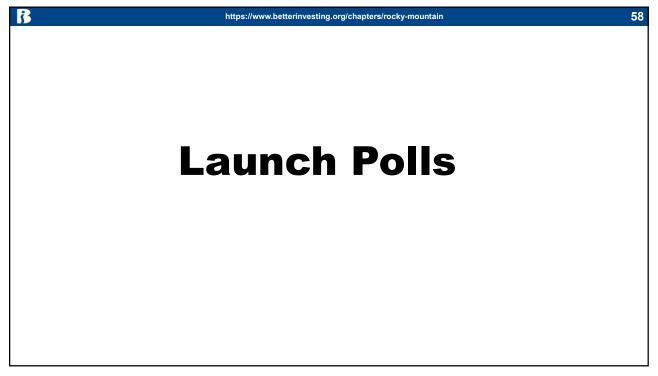
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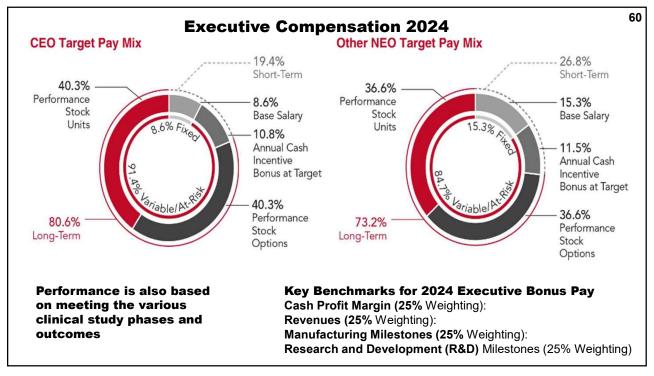


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UTHR SSG Stock Studies										
	N	lote: Using	low price o	option 80°	% of currer	nt price				
	Conservativ e	Cautiously Opt.	Cautiously Opt. 80% current Price	Optimistic	Low Price 80% current price					
Sales	8%	9.1%	9.1%	12%	12%	Using 80% of				
EPS	7%	9.5%	9.5%	11.5%	11.5%	current price for				
High P/E	16	16	16	17.5	17.5	Low Price option Shifted SSG from				
Low P/E	9	9	9	10.4	10.4	Hold to Buy				
Buy Below 3/1 U/D	\$ 320	\$ 320	\$ 320	\$ 384	\$ 384	Next slide: Is the Buy Below				
Buy / zoning	s 334	\$ 334	\$ 401	\$ 393	\$ 433	price in line with DCF Fair Value?				
PAR	2.3%	4.7%	4.7%	9%	9%					
Total Return	7.5%	10%	10%	14%	14%					
ZONE	HOLD	HOLD	BUY	HOLD	BUY					









Summary Cor	npe	nsatio	n	Table					6
The following table shows SEC regulations.	compe	nsation info	rma	ation for 2022,	2023, and 2	024 for our NEOs	, calculated in a	ccordance with	
Name and Principal Position	Year	Salary ⁽¹⁾ (\$)		Restricted Stock Units ⁽²⁾ (\$)	Stock Options ⁽²⁾ (\$)	Non-Equity Incentive Plan Compensation ⁽³⁾ (\$)	Change in Pension Value and Nonqualified Deferred Compensation Earnings ⁽⁴⁾ (\$)	All Other Compensation ⁽⁵⁾ (\$)	Total (\$)
Martine Rothblatt Chairperson and Chief Executive Officer	2024	1,512,401	(6)	7,594,474	8,020,141	5,625,000	245,393	12,200	23,009,609
	2023	1,476,379	(6)	5,376,600	5,926,252	4,161,000	.—	17,826	16,958,057
	2022	1,402,290	(6)	_	_	3,909,114	_	10,800	5,322,204
James Edgemond Chief Financial Officer and Treasurer	2024	860,577		2,440,323	2,578,007	1,968,750	1,282,437	34,455	9,164,549
	2023	790,385		1,505,100	1,659,590	1,331,520	741,821	26,068	6,054,484
	2022	745,192		_	-	1,243,181	_	17,411	2,005,784
Michael Benkowitz President and Chief Operating Officer	2024	1,186,539		3,904,517	4,124,422	3,060,000	1,581,783	36,128	13,893,389
	2023	1,101,154		2,579,550	2,845,012	2,131,542	1,125,721	23,572	9,806,551
	2022	973,269		_	_	1,841,013	_	14,153	2,828,435
Paul Mahon Executive Vice President and General Counsel	2024	940,000		1,898,029	2,004,792	1,974,000	116,947	29,540	6,963,308
	2023	940,000		1,289,775	1,422,506	1,460,234	-	41,086	5,153,601
	2022	934,231		_	_	1,350,371	_	24,600	2,309,202

• United Therapeutics is deeply integrated with businesses and partnerships focused on advancing PAH therapies and organ transplantation technologies. Its subsidiaries, such as Miromatrix, Revivicor, IVIVA Medical, and SteadyMed, enhance its capabilities in bioengineered organs, xenotransplantation, and drug delivery systems. Strategic partnerships with Corsair Pharma, Eli Lilly, Intermountain Health, and academic institutions like the University of Maryland and The University of Alabama at Birmingham further support UTHR's mission to address rare diseases and organ shortages. These efforts position UTHR as a leader in biotechnology, though it faces competitive pressures from emerging therapies like Yutrepia

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