

Mallinckrodt Pharmaceuticals

J.P. Morgan Healthcare Conference

January 11, 2016



Forward-Looking Statements

Statements in this document that are not strictly historical, including statements regarding future financial condition and operating results, economic, business, competitive and/or regulatory factors affecting Mallinckrodt's businesses and any other statements regarding events or developments that we believe or anticipate will or may occur in the future, may be "forward-looking" statements within the meaning of the Private Securities Litigation Reform Act of 1995, and involve a number of risks and uncertainties. There are a number of important factors that could cause actual events to differ materially from those suggested or indicated by such forward-looking statements and you should not place undue reliance on any such forward-looking statements.

These factors include risks and uncertainties related to, among other things:

- The parties' ability to satisfy the conditions to the hemostatis products acquisition and complete the acquisition on the anticipated timeline or at all;
- ▶ General economic conditions and conditions affecting the industries in which Mallinckrodt operates;
- The commercial success of Mallinckrodt's products;
- Mallinckrodt's ability to realize anticipated growth, synergies and cost savings from its acquisitions;
- Conditions that could necessitate an evaluation of Mallinckrodt's goodwill and/or intangible assets for possible impairment;
- Changes in laws and regulations;
- Mallinckrodt's ability to identify, acquire or close future acquisitions;
- Mallinckrodt's ability to successfully integrate acquisitions of operations, technology, products and businesses generally and to realize anticipated growth, synergies and cost savings;
- Mallinckrodt's ability to successfully develop or commercialize new products;
- Mallinckrodt's ability to protect intellectual property rights;



Forward-Looking Statements

- Mallinckrodt's ability to receive procurement and production quotas granted by the U.S. Drug Enforcement Administration;
- Customer concentration;
- Mallinckrodt's reliance on certain individual products that are material to its financial performance;
- Cost containment efforts of customers, purchasing groups, third-party payers and governmental organizations;
- Product liability losses and other litigation liability;
- Ongoing governmental investigations;
- Material health, safety and environmental liabilities;
- Retention of key personnel;
- Conducting business internationally; and
- > The effectiveness of information technology infrastructure.

These and other factors are identified and described in more detail in the "Risk Factors" section of Mallinckrodt's Annual Report on Form 10-K for the fiscal year ended September 25, 2015. The forward-looking statements made herein speak only as of the date hereof and Mallinckrodt does not assume any obligation to update or revise any forward-looking statement, whether as a result of new information, future events and developments or otherwise, except as required by law.

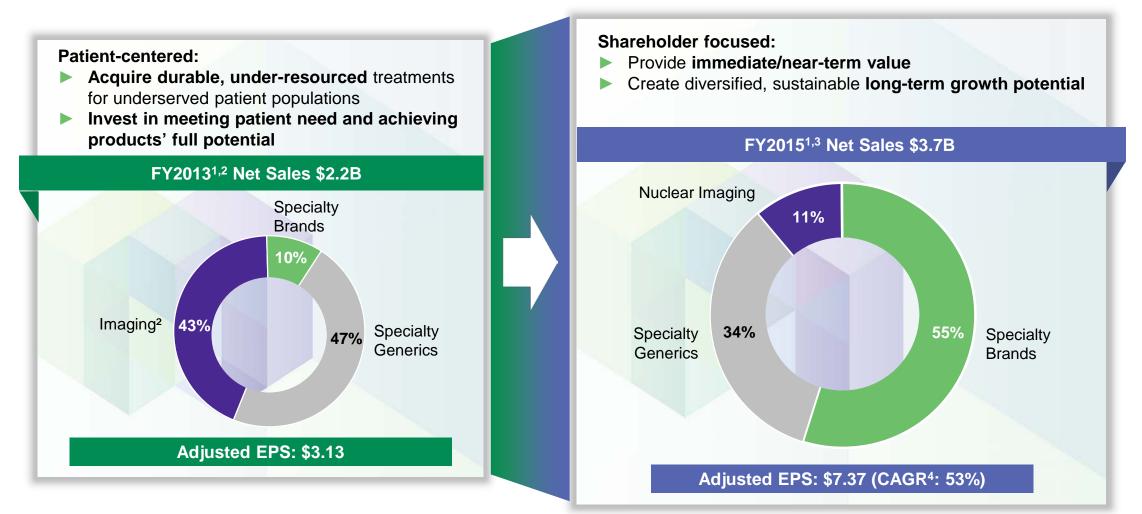




Mark Trudeau President and Chief Executive Officer



Acquire to Invest strategy to build a sustainable portfolio

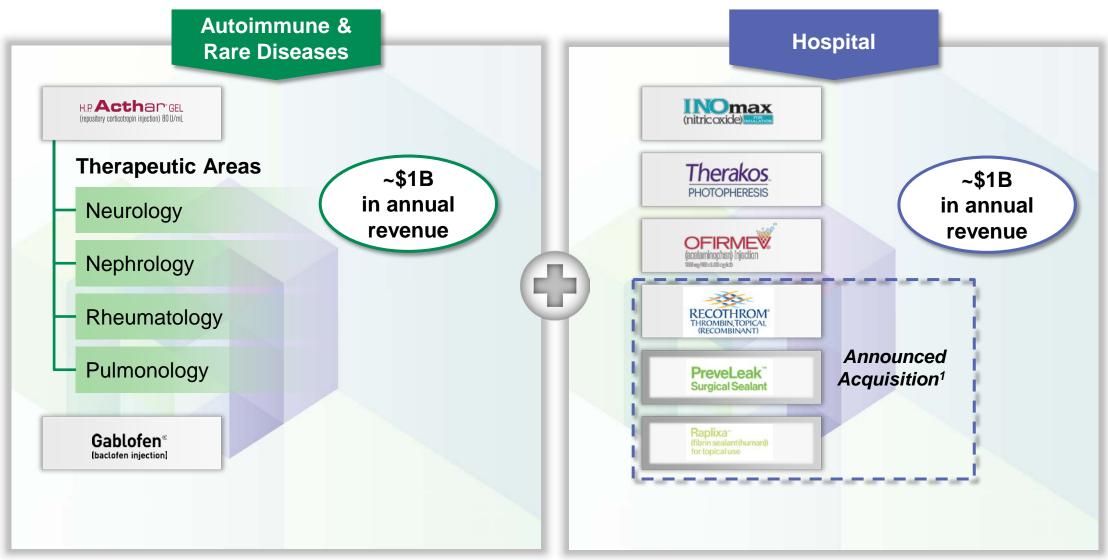


¹ Percentage calculation excludes sales to related parties; ² Includes Contrast Media and Delivery Systems and Nuclear Imaging sales;

³ Percentage calculation includes proforma sales for INOmax® and Therakos®; ⁴ CAGR: Compounded annual growth rate over FY 2013 – FY 2015



Announced hemostasis product acquisitions will further diversify Specialty Brands segment





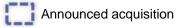
¹ Mallinckrodt has entered into a purchase agreement with The Medicines Company to acquire Recothrom®, PreveLeak[™] and Raplixa.[™] The acquisition is expected to be completed in the first calendar quarter of 2016, Mallinckrodt's second fiscal quarter.

Durable Specialty Brands portfolio with attractive long-term growth potential

	Primary Indications/Benefits	Durability	U.S. Market Size & Penetration ⁵	Financial Objectives
H.P. Acthar GEL (repository corticotropin injection) 80 U/mL	19 FDA-approved autoimmune indications across a wide range of conditions	Trade secret	~300K patients 3% share	Mid-single digit to low-double digit revenue growth
(nitricoxide)	 FDA-approved for neonatal respiratory failure and OUS¹ for pulmonary HTN² in cardiac surgery; FDA-approved delivery system for nitric oxide 	2031 LOE ⁴ Commercial model	~23K patients 50% share	Mid-single digit revenue growth
Therakos. PHOTOPHERESIS	 FDA-approved for cutaneous T-cell lymphoma³ OUS approval for photopheresis administration 	2023+ LOE Commercial model	~15K patients 5% share ⁶	High-single digit revenue growth
(acetaminophan) (rijection	FDA-approved for pain and fever	2020 Potential formulation extension	~20M in-patient procedures 15% share	>\$500M peak annual revenue
RECOTHROM THROMBIN, TOPICAL (RECOMBINANT)	 FDA-approved as adjunct for surgical hemostasis for minor bleeding from capillaries, small veins 1st/only topical synthetic thrombin approved for use in adults, children > 1 month of age 	2026		
PreveLeak [®] Surgical Sealant	 FDA-approved as adjunct for surgical hemostasis for use in vascular reconstructions More flexible than hemostasis glue products 	2028	~\$750M U.S. market ⁷ ~8% share	Low-double digit revenue growth from fiscal 2017
Raplixa (fibrin sealant(human)) for topicatuse	FDA-approved as adjunct for surgical hemostasis for mild to moderate bleeding in adults	2031		

¹ Outside United States; ² Hypertension; ³ Approved for palliative treatment of skin manifestations of cutaneous T-cell lymphoma (CTCL); ⁴ Loss of exclusivity; ⁵ Penetration rates of currently approved and marketed indications; ⁶ Includes early-stage CTCL topical non-responders and late-stage CTCL patients; ⁷ Estimated \$750 million U.S., at least \$1 billion globally-IMS Health Data





R&D investment focused on enhancing and expanding Specialty Brands portfolio

	THERAPY	INDICATION	PHASE 4
PHASE 4 / MARKETED	H.P. ACTHAR GEL (repository corticotropin injection)	19 Indications	SLE ¹ , iMN ² , FSGS ³
	OFIRMEV [®] (acetaminophen) injection	Pain, Fever	Knee, Burn
	GABLOFLEN® (baclofen injection)	Spasticity	
	INOMAX [®] (nitric oxide) for inhalation	HRF ⁴ (neonates)	
	UVADEX [®] (methoxsalen) sterile solution	CTCL⁵	
PHASE 3 / REGISTRATION	TERLIPRESSIN	HRS ⁶ Type-1	
	GABLOFLEN 3000 mg	Spasticity	
	IT MORPHINE	Chronic pain	
	IT HYDROMORPHONE	Chronic pain	Significant investment in HEOR ¹³
	UVADEX	Acute GvHD ⁷ (US), Chronic GvHD (JP) ⁸	for key in-line brands ongoing
P 2	ACTHAR	ALS ⁹ , DN ¹⁰	
P1/ PC ¹²	SYNACTHEN® (cosyntropin injection)	(Pre-IND ¹¹)	

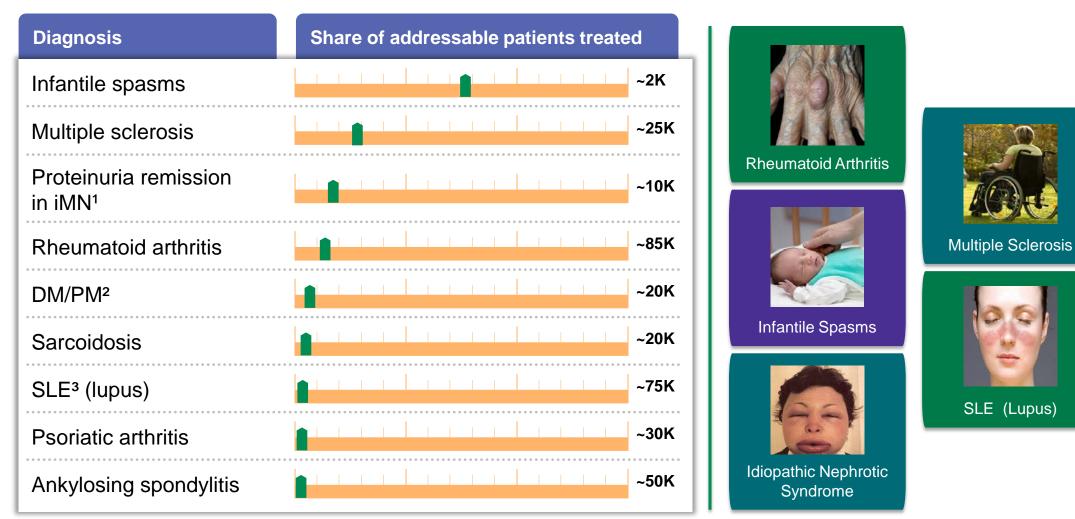
¹ SLE: Systemic Lupus Erythematosus ; ² iMN: idiopathic Membranous Nephropathy; ³ FSGS: Focal Segmental Glomerulo-sclerosis; ⁴ HRF: Hypoxic Respiratory Failure;

⁵CTCL: Cutaneous T-Cell Lymphoma; ⁶HRS: Hepatorenal Syndrome; ⁷GvHD: Graft vs Host Disease; ⁸JP: Japan; ⁹ALS: Amyotrophic Lateral Sclerosis; ¹⁰DN: Diabetic Nephropathy;

¹¹ IND: Investigational new drug; ¹² Phase 1 / Pre-Clinical; ¹³HEOR: Health economic outcomes research



Acthar[®] has potential to reach more patients in need of therapeutic options; only ~3% of addressable patients are now treated



¹ iMN: idiopathic Membranous Nephropathy; ² DM/PM: Dermatomyositis/polymyositis; ³ SLE: Systemic Lupus Erythematosus



Building evidence for Acthar with company-sponsored, controlled trials

	Design	Patients	Status
ON-LABEL	SLE ¹ : Phase 4, double-blind, placebo-controlled study in steroid-dependent patients followed by open label extension	36	► Complete
	iMN ² : Phase 4, double-blind, placebo-controlled study in treatment-resistant subjects with iMN	60	► Ongoing
	FSGS³: Phase 4, randomized withdrawal study in subjects with treatment resistant or intolerant proteinuria	210	► Ongoing
EXPLORATORY	ALS ⁴ : Phase 2, randomized, controlled study; explore safety, tolerability in patients with ALS	40	Analysis ongoing
	DN ⁵ : Phase 2, double-blind, placebo-controlled study; explore safety, tolerability in patients with DN	40	Ongoing

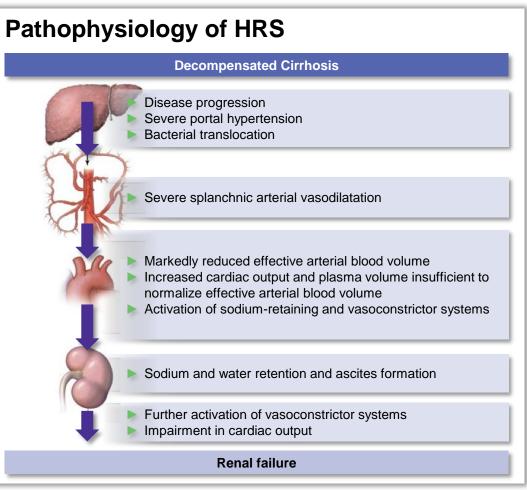
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Terlipressin is global standard of care for rare, life-threatening condition

Ongoing Phase 3 US development program

- Type 1-hepatorenal syndrome (HRS-1) is a rare, life-threatening complication of cirrhosis of the liver
- Affects >10K patients in US¹⁻⁴; high mortality rates
- Condition leads to multi-organ failure^{5,6} including acute kidney failure^{5,6}
- Kidneys appear structurally normal on diagnostic imaging^{5,6}
- Survival improves with early diagnosis and treatment^{5,6}



 ¹ Boyer TD et al. Open Access Journal of Clinical Trials. 2012;4:39-49; ² Marrero J et al. Am J Respir Crit Care Med. 2003;168:1421-1426; ³ Muir AJ et al. Liver Transpl. 2002;8:957-961;
 ⁴ Gines A et al. Gastroenterology. 1993;105:229-236; ⁵ Barbano B et al. Curr Vasc Pharmacol. 2014;12:125-135; ⁶ Low G et al. Gastroenterol Res Pract. 2015;2015:207012. doi: 10.1155/2015/207012. Epub 2015 Jan 12.



Mallinckrodt Goal: Become a top-performing Specialty Biopharmaceutical business

Create sustainable long-term value balanced between organic and inorganic growth

Organic growth

- Achieve sustainable normalized revenue growth in mid-single digits
- Drive EPS at higher rates

Inorganic growth

- Acquire commercial latestage development assets across Specialty Brands and Specialty Generics
- Leverage significant cash generation capacity

