Advancing new treatments for skin disease and infection

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Investor Presentation

October 2021

Botanix Pharmaceuticals: a leader in topical drug development

Clinical stage dermatology company developing new treatments for common skin diseases and infection, leveraging its novel delivery technology Permetrex ™

Pharmaceutical focus Leveraging novel skin delivery technology (Permetrex™) and novel drug mechanisms of action, including synthetic cannabidiol (CBD)

Topically driven Targeting key dermatology and antimicrobial indications with topical treatments that are safe, well tolerated and validated by clinical efficacy

Significant markets Pipeline targeting multi-billion dollar markets with no new products approved by FDA in decades for these indications, with physician and patient demand for new treatments

World-class team World-class and experienced team with significant dermatology and antimicrobial drug track record and development expertise

Near-term catalysts Multiple upcoming catalysts including completion of Phase 1b/2 rosacea study, commencement Phase 2 antimicrobial study, canine AD data readout and new Permetrex™ opportunities

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Botanix: World Class Board and Management team

Board of Directors

Vince Ippolito
President and Executive Chairman

- COO of Anacor and Medicis with 17 years at Novartis
- More than 30 years experience in pharma with 20+ years within dermatology

Matt Callahan
Executive Director

- Serial founder and ex-investment director of two venture capital firms in life sciences
- Developed four products through FDA approval and launch

Dr Bill Bosch
Executive Director

- 20+ years experience in pharma industry
- Co-inventor of SoluMatrix™ drug delivery technology and NanoCrystal® Technology

Dr Stewart Washer
Director

- Currently a board member of Orthocell, Cynata Therapeutics and Emyria
- 20+ years of experience in medical tech, biotech and agrifood

Executive Management & Advisers

Dr Clarence Young
Chief Medical Officer

- Recently Chief Medical Officer at Velicept Therapeutics
- Senior leadership roles at Iroko Pharmaceuticals, Novartis and GlaxoSmithKline

Anthony Robinson
VP of Development

- Recently Vice President at Advicenne
- Senior leadership roles at Aquestive Therapeutics, Intrommune and Shire Pharmaceuticals

Lynda Berne
Head of Commercial

- Founder of BAL Pharma Consulting
- 13 years senior leadership roles in pharmaceuticals industry

Dr Jack Hoblitzell
SVP Pharmaceutical Development

- 30+ years leading world-class technical operations to manufacture and deliver pharmaceuticals
- Senior leadership roles at Assertio Therapeutics , Pfizer, King, Ivax and Teva

Dr Ira Lawrence
Advisor

- 30+ years of senior level leadership experience within the global pharmaceutical and medical device industries

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Synthetic cannabinoids are well suited to treat skin diseases and infections

Botanix's studies show synthetic CBD to:[1]

- ✓ Be safe and well tolerated
- ✓ Have broad anti-inflammatory properties
- ✓ Have a strong and consistent impact on skin lesions
- ✓ Have anti-microbial properties – kills *Staph aureus*[2]
- ✓ Have potential for widespread use across human and animal health
- ✓ Have anti-inflammatory and anti-microbial properties important for dermatology conditions including acne, rosacea and dermatitis

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1. See ASX announcement "Antimicrobial Platform Update and Launch of BTX 1801 Study" (13 March 2020) and The Antimicrobial Potential of Cannabidiol, Communications Biology 4, Article number: 7 (2021) Blaskovich, M et al
2. Staphylococus aureus (S. Aureus) is a common bacterium that lives on skin & nasal passages.. It can cause skin infection & serious or life-threatening infection.

Advanced late-stage pipeline

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Dermatology | Antimicrobial

Dates are calendar years

Permetrex™: skin delivery technology fuels pipeline potential

Unique in delivering high doses of drug into the layers of the skin without using permeation enhancers, preservatives, or irritating levels of alcohol / petroleum derivatives

1. Initial application

Target drug is incorporated in Permetrex™ formulation which spreads easily over skin surface

2. Evaporation of solvent

Volatile majority of formulation evaporates – leaving a minority of highly concentrated drug solution on the skin surface

3. Delivery into the skin

Rapid change in concentration of drug as result of evaporation, drives drug into the skin and is designed not to leave excess excipients on the surface

Permetrex™ is used in Botanix's pipeline products and improves delivery for other drugs in development[1]

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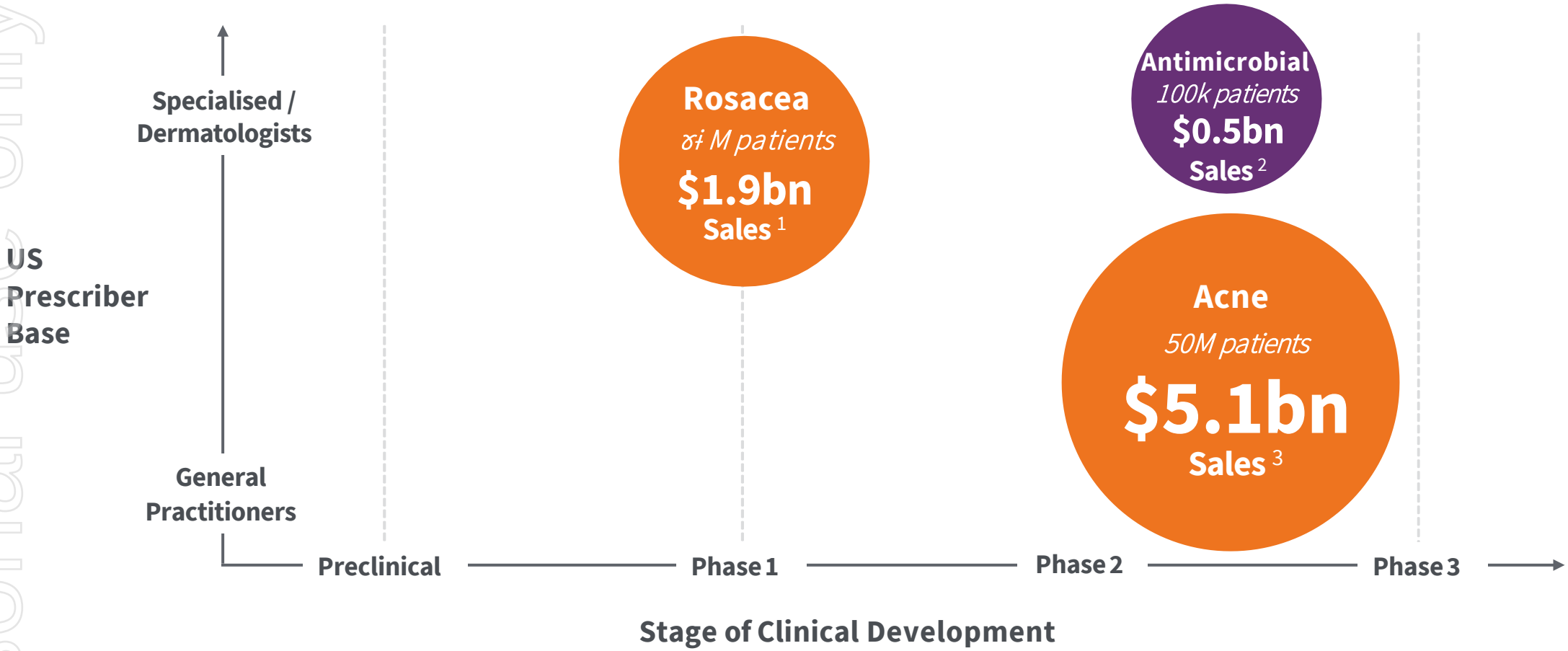
1. Topical dosage forms include: solutions, creams, gels, ointments, foams or pastes

Target markets with significant annual revenues & unmet needs



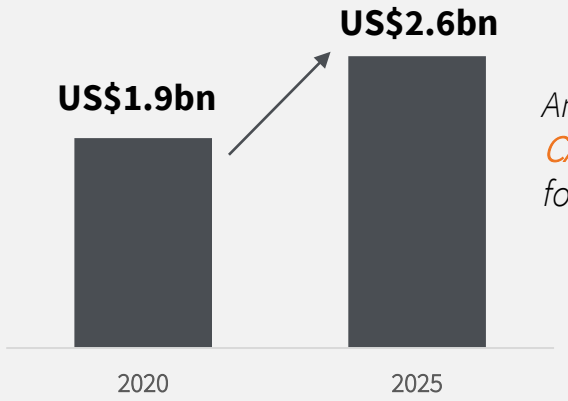
1. Grandview Research. www.Grandview research.com
2. Using GSK Bactroban Nasal Pricing/BTX 1801 pricing to be developed following analyses of potential impact on healthcare system; assumes 5% YOY pricing following product approval/launch
3. Symphony Health Solutions, METYS, data ending December 2019 – weighted

Dermatology programs

BTX 1702: high impact of rosacea on patients and significant market opportunity

- Papulopustular rosacea is a highly visible **chronic skin disease** characterised by **redness (inflammation) and acne-like-break-outs**[1]
- Patients diagnosed with Rosacea tend to have higher incidences[2] of:
  - Depression
  - Social anxiety
  - Embarrassment
  - Decreased quality of life

A rapidly growing market: Rosacea market projected to grow to US$2.6bn by 2025[3]



Anticipated to register CAGR of ~6.8%[3] over the forecast period

- Affects ~5.5% of the global population[4], ~430m individuals , women are more likely to be affected than men
- 85% of patients are > 30 years old[5]
- Currently over 16m Americans affected[6] by rosacea, with ~5m medical treatment prescriptions[7] in the US alone
- Active treatment seekers looking for new solution to rosacea

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1. Blount BW, Pelletier AL. Am Fam Physician. 2002;66:435-440.; 2. Moustafa F. J Am Acad Dermatol. 2014;71:973-980; 3. Grandview Research. www.Grandview research.com; 4. Gether L, et al. Br J Dermatol. 2018;179:282-289; 5. Aimee Two, et al, JAAD, Volume 72, Issue 5, May 2015; 6. National Rosacea Society. www.rosacea.org; 7. Symphony Health Solutions, PHAST

BTX 1702: Rosacea Phase 1b/2 study is underway

Improved data capture design with dose ranging over 8 week treatment period

- Study designed to enable **increased data capture** & provide insights to support broader dermatology program
- All sites using **Canfield imaging technology** supporting clinical assessment, tracking & analysis
- **Recruitment going to plan**, despite COVID restrictions

- **Four dose groups, ~120 patients:**
  - BTX 1702 high dose - twice daily: 40 patients
  - BTX 1702 low dose - twice daily: 40 patients
  - Vehicle - twice daily: 40 patients
- **Sites:** ~15 dermatology sites across Australia and NZ
- **Patients:** adults (18+ years) with moderate to severe papulopustular rosacea
- **Treatment period:** 8 weeks

- **Endpoints:**
  - Safety and tolerability
  - Change in inflammatory lesion counts from baseline at days 15, 29 and 57
  - Proportion of patients with Investigator's Global Assessment (IGA) treatment success
  - Change in Clinician's Erythema Assessment (CEA) scale
  - Imaging and patient reported outcomes

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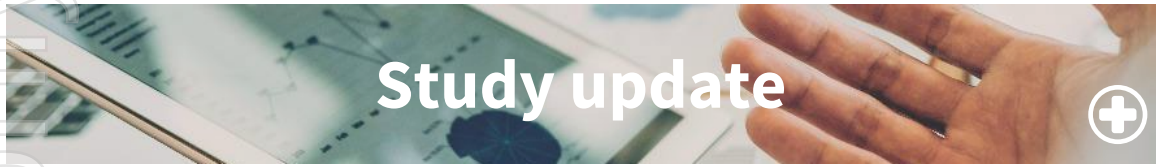
BTX 1503: Acne in preparation for Phase 3 and future filing

Successful End-of-Phase 2 FDA meeting and completion of Rosacea BTX 1702 study (with higher dosing and enhanced data capture) will inform final design for P3 Acne study



Study update

- ✓ End of Phase 2 meeting with FDA successfully completed, supported by overall efficacy and safety, and significance of Australian data on further analysis[1] in 2020 of late 2019 P2 study data[2].
- ✓ FDA highlighted excellent safety profile of BTX 1503, allowing several waivers for studies typically required for dermatology drug registration
- ✓ Co-primary efficacy endpoints[3] agreed for Phase 3
- ✓ Important milestone providing clarification on activity to move forward
- ✓ Confirmed drug development plan to support filing and registration for treatment of moderate and severe acne
- ❖ Planning underway for Phase 3 clinical studies to be informed by completion of BTX 1702 Phase 1b/2 study

Sizable acne prescription market

- **22m** total prescriptions in 2019 growing ~5% year-on-year [4]
- **US$5.1bn** in sales in 2019 [4]
- **>2m** p.a. active, diagnosed acne patients under HCP care [5]
- **~40m to ~50m** acne sufferers [6] (~10m mod-to-severe)
- **60%** of acne patients are managed by 5,000 HCPs [7]

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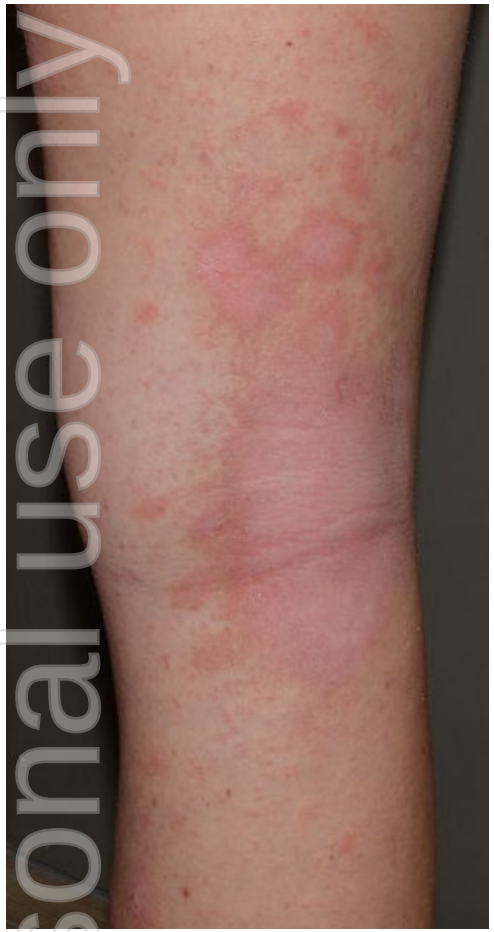
1. ASX 4 Mar 2020, Additional BTX 1503 data analysis 2. ASX 22 Oct 2019 BTX 1503 data and progression to Phase 3 3. Co-primary efficacy endpoints: (1) Absolute change from baseline in inflammatory and absolute change from baseline in non-inflammatory lesion at Week 12; (2) Proportion of patients with an Investigators Global Assessment (IGA) of "clear" or "almost clear" and at least a 2-grade improvement in IGA from baseline at Week 12

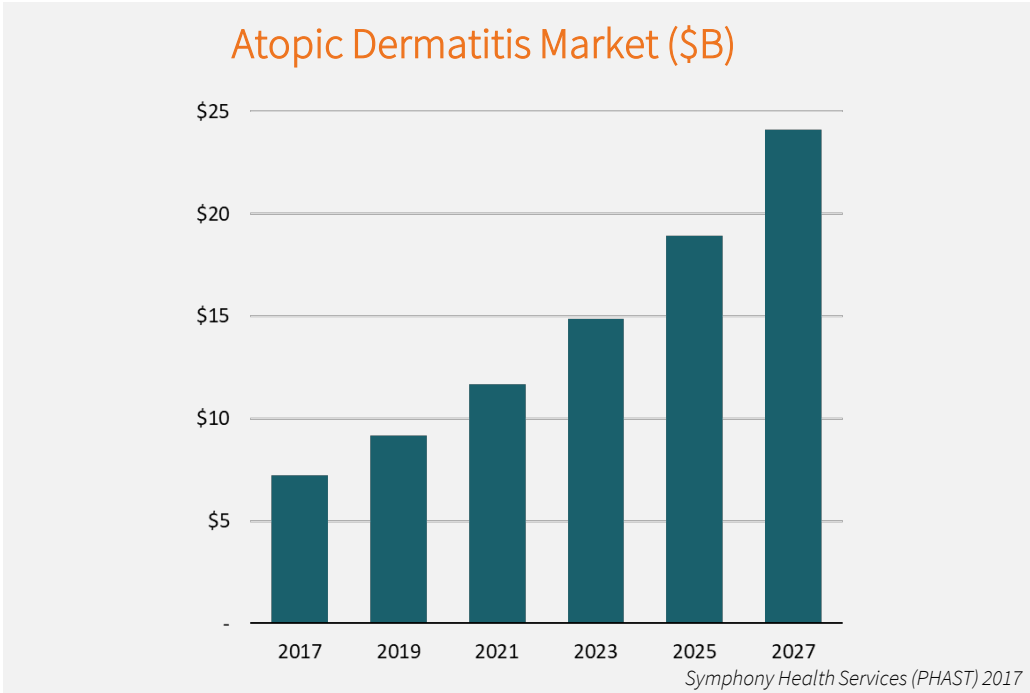
4. Symphony Health Solutions, METYS, data ending December 2019 – weighted; 5. Symphony Health Solutions, MAT, ending April 2019; 6. AAD. Acne Stats and Facts. https://www.aad.org/media/stats-numbers ; 7. Symphony Health Solutions, IDV Vantage, February 2019

HCPs:: Healthcare Professionals

BTX 1204A: Meeting need for safe, non-steroid for chronic use in Atopic Dermatitis



- Atopic dermatitis is one of the most common skin diseases[1]:
  - 2% - 3% of adults, 25% of children
  - 90% of patients are mild to moderate[3]
- Patients see flare-ups of itch, red inflamed rash and excessive dryness or scaling
- Significant unmet need with limited options for safe and effective treatment chronic disease, biologics are reserved for severe population
- Pediatric population needs tolerable steroid free alternative[1]



- Affects 20-25M Americans[2,3]
- Almost 85% cases present by the age of 5 years[6]
- Severe population is ~10% of patients

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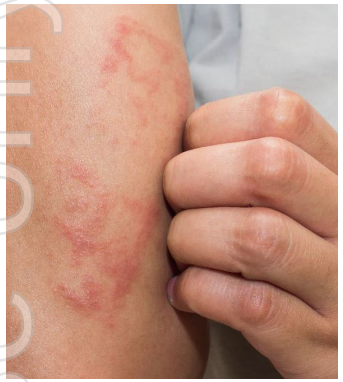
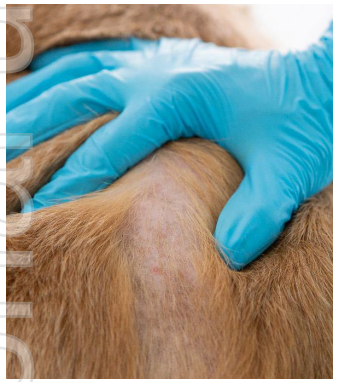
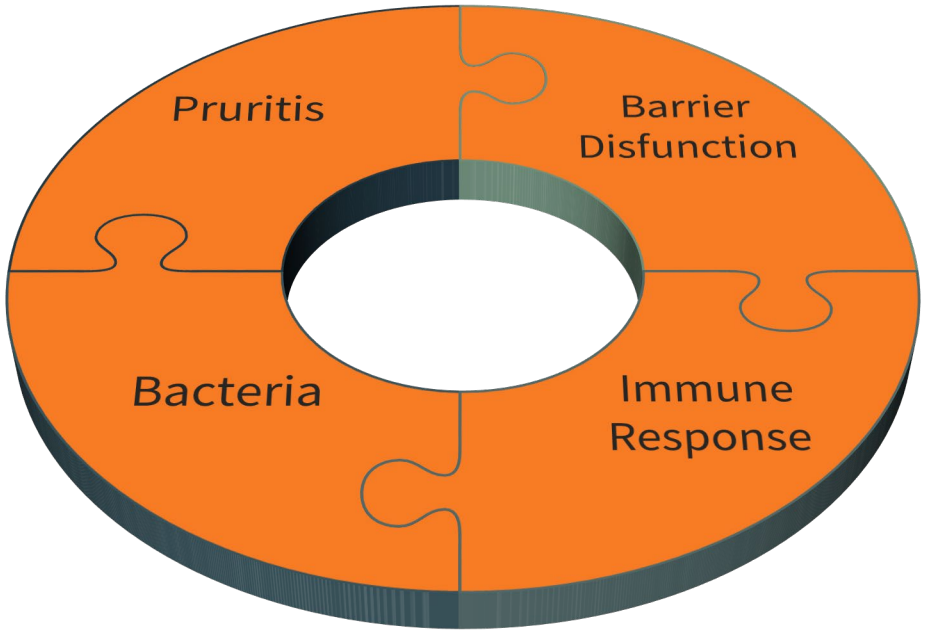
(1) Eichenfield LF, Tom WL, Chamlin SL, Feldman SR, Hanifin JM, Simpson EL, et al Guidelines of care for the management of atopic dermatitis, Section 1 diagnosis and assessment of atopic dermatitis. J Am Acad Dermatol 2014 Feb: 70(2):338-51. (2) Hanfin, J.M. et al. Dermatitis, 2007, 82(2): 82-91 (3) Silverberg, J.I. & Hanifin, J.M. J Allergy Clin Immunol, 2013, 132(5): 1132-1138 (4) Silverberg, J.I. & Simpson, E.L. Dermatitis, 2014, 25(3): 107-114 (5) Barbarot et al. Allergy, 2018, 73:1284-1293 (6) https://www.aad.org/media/stats-numbers

Atopic dermatitis – chronic inflammatory disease for both canines and humans





- Canines naturally and commonly develop a pruritic dermatitis that is **clinically and immunologically extremely similar to human AD**[1]
- Dogs and humans with AD also have **similar problems with skin barrier function** – these problems cause the skin to be very dry and prone to Staph Aureus infections[2]
- Canine models are **increasingly used as screening tools for new therapeutic development**, including dose ranging and safety assessments
- Canine studies are **faster and more cost effective** than human studies and help **de-risk later stage studies**



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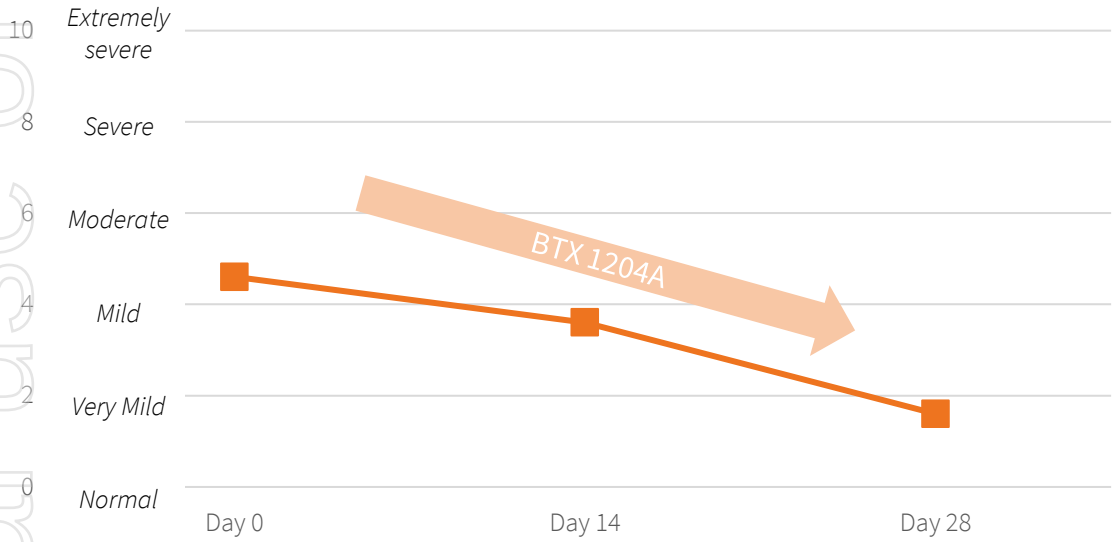
1. Leung. Curr Opin Pediatr. 2016 Aug: 28(4): 456-462
2. Hong et al. Semin Cutan Med Surg. 2011;30(2):71–86

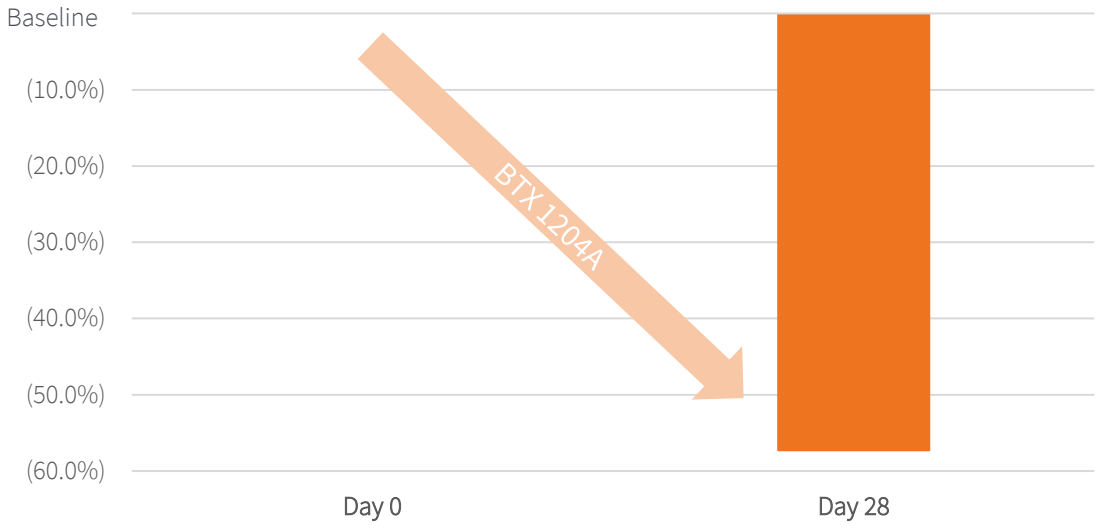
BTX 1204A: Dermatitis data supports further development

Pilot canine study with higher dose and novel Permatrex™ formulation showed reduction itch and lesions - dermatitis in canines and humans is clinically and immunologically very similar

BTX 1204A: Pruritus (itch) mean ESP scores [1,2]



BTX 1204A: % reduction from baseline (CADESI-04)[1,3]



BTX 1204A showed decrease in pruritus over a 28 day period, resulting in average pruritus rating of Very Mild (post-treatment)

BTX 1204A had positive effect, showing decrease in pruritus over a 28 day period, resulting in a ~57.3% reduction from baseline

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1. BTX 1204A clinical study data announced 17 May 2021
2. EPS: Enhanced Pruritus Score – designed to measure the severity of itching in dogs
3. CADESI-04: Canine Atopic Dermatitis Extent and Severity Index – simplified scale for assessing skin lesions of atopic dermatitis in dogs

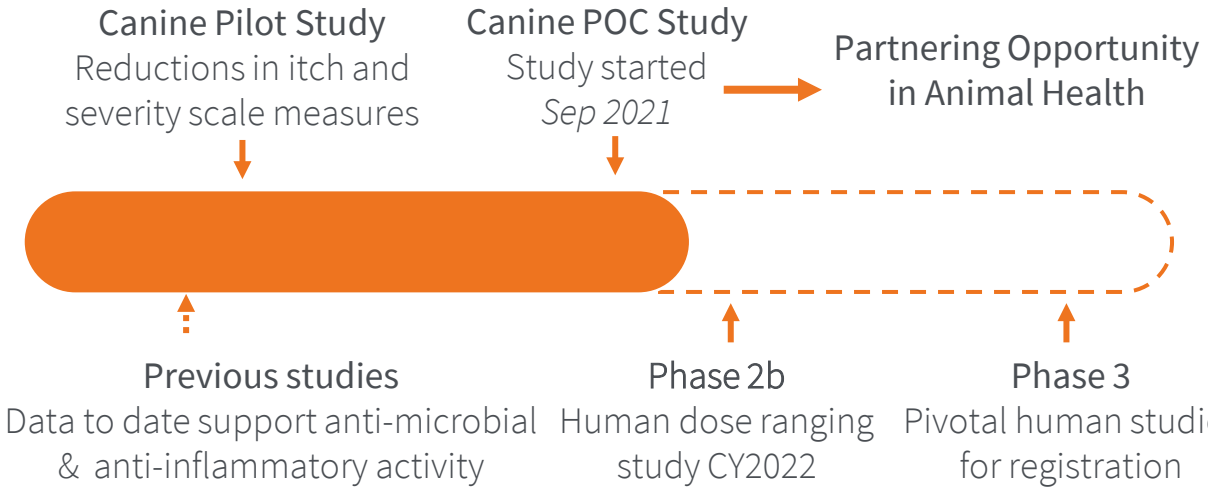
BTX 1204A: Atopic dermatitis development strategy

Larger POC canine study underway[1], will inform licensing in animal health & potential re-launch of late-stage P2b clinical program in 2022

Proof of Concept Canine Study Parameters

- **Four dose groups, up to 45 dogs:**
  - BTX 1204A high dose: 15 dogs
  - BTX 1204A low dose: 15 dogs
  - Vehicle: 15 dogs
- **Sites:** 3 Australian sites
- **Treatment period:** Twice daily treatment for 28 days
- **Endpoints:** Treatment effectiveness using Enhanced Pruritus Score[2]; Canine Atopic Dermatitis Extent and Severity Scale Index[3]

Planned pathway to approval



Successful outcome opens up partnering opportunity & supports progression to Phase 2b human study in atopic dermatitis.

1. ASX 29 Sep 2021: Launch of canine atopic dermatitis program
2. Enhanced Pruritus Score (EPS): designed to measure the severity of itching in dogs
3. Canine Atopic Dermatitis Extent and Severity Index (CADESI-04): simplified scale for assessing skin lesions of atopic dermatitis in dogs

Anti-microbial development update
BTX 1801

BTX 1801: Demonstrated clinical efficacy vs S. aureus in Phase 2a study

Staphylococcus aureus (S. aureus or 'staph') is a common bacterium that lives on skin and in nasal passages. It can cause skin infection and serious or life-threatening blood stream infections, pneumonia or bone and joint infections.

Safety & tolerability

- ✓ Safe and generally well tolerated at doses of active drug up to 20%
- ✓ All 66 participants successfully completed the BTX 1801 study
- ✓ No severe adverse events reported[1]

Efficacy

- ✓ Efficacy of ointment and gel formulations demonstrated for primary endpoint at Day 12
- ✓ Eradication rates as high as 76.2% at Day 7, with eradication effects extending through to Day 28, despite no treatment after Day 5

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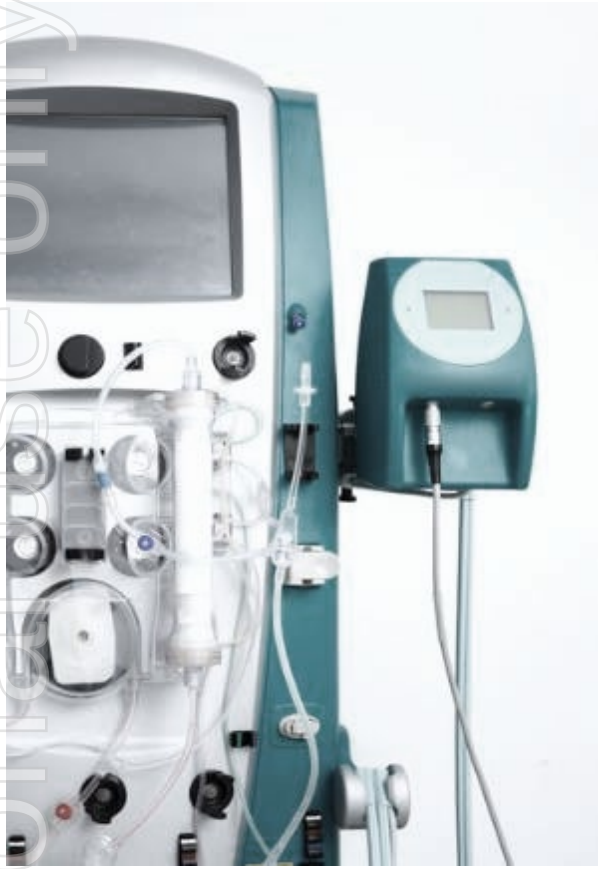
1. BTX 1801 Phase 2a Clinical Study - BOT data on file
2. The incidence of adverse events was low, mild in severity and occurred at similar rates across the different treatment groups with no severe events reported

BTX 1801: Haemodialysis patients with central venous catheters at risk of bloodstream infections



Haemodialysis

- Replicates the functions of the kidneys in patients with kidney failure, by using a machine to filter and clean the blood

Rationale for selection

- Infection is a leading cause of death with 20% to 40% of haemodialysis patients eventually dying from an infection[1]

Significant health risks

- Risks for central venous catheter-related complications were as high as 30% and 38%, at 1 and 2 years respectively[2]
- Central venous catheter patients (approx. 160,000) make up more than 70% of blood infections in the dialysis population[2]

11.8%
of patients were readmitted within 12 weeks of hospitalisation related to Staph aureus infections[1]

US$734m
Market for nasal decolonisation of haemodialysis patients at risk of blood stream infection by 2030[3]

~US$32k
Mean cost (per episode) of treating Staph aureus blood stream infections, including re-admissions and outpatient costs[1]

US$1bn
Estimated annual cost of treating bacteraemia in haemodialysis patients with central venous catheters[2]

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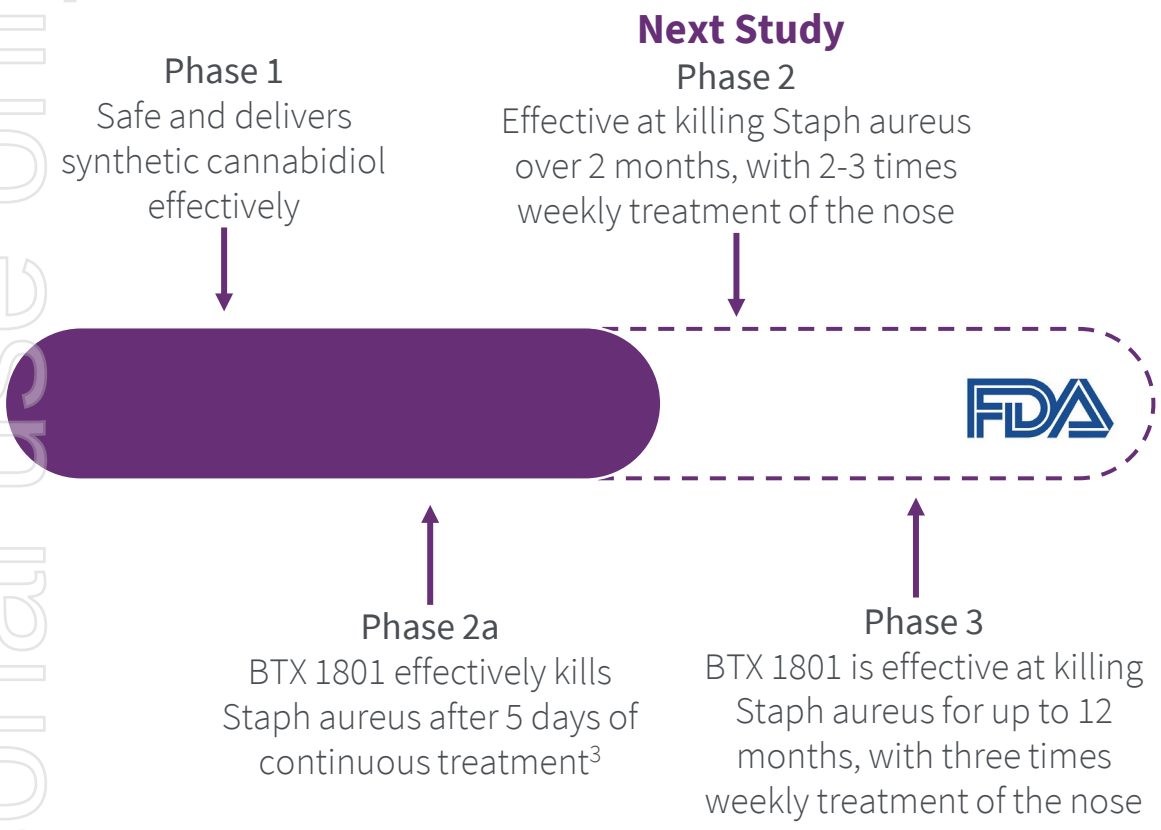
1. 'Mortality in dialysis patients: analysis of the causes of death', Mailloux LU, Bellucci AG, Wilkes BM, Napolitano B, Mossey RT, Lesser M, Bluestone PA. AJKD. 1991 Sep;18(3):326-35
2. 'Complications From Tunneled Hemodialysis Catheters: A Canadian Observational Cohort Study', (2019) Poinen, K. et al AJKD Volume 73 Issue 4 Pages 467-475

BTX 1801: Clinical development moving quickly to meet need

Targeting nasal decolonisation of Staph in patients undergoing haemodialysis to reduce incidence of life threatening blood stream infections



FDA incentives provide accelerated development and increased market exclusivity

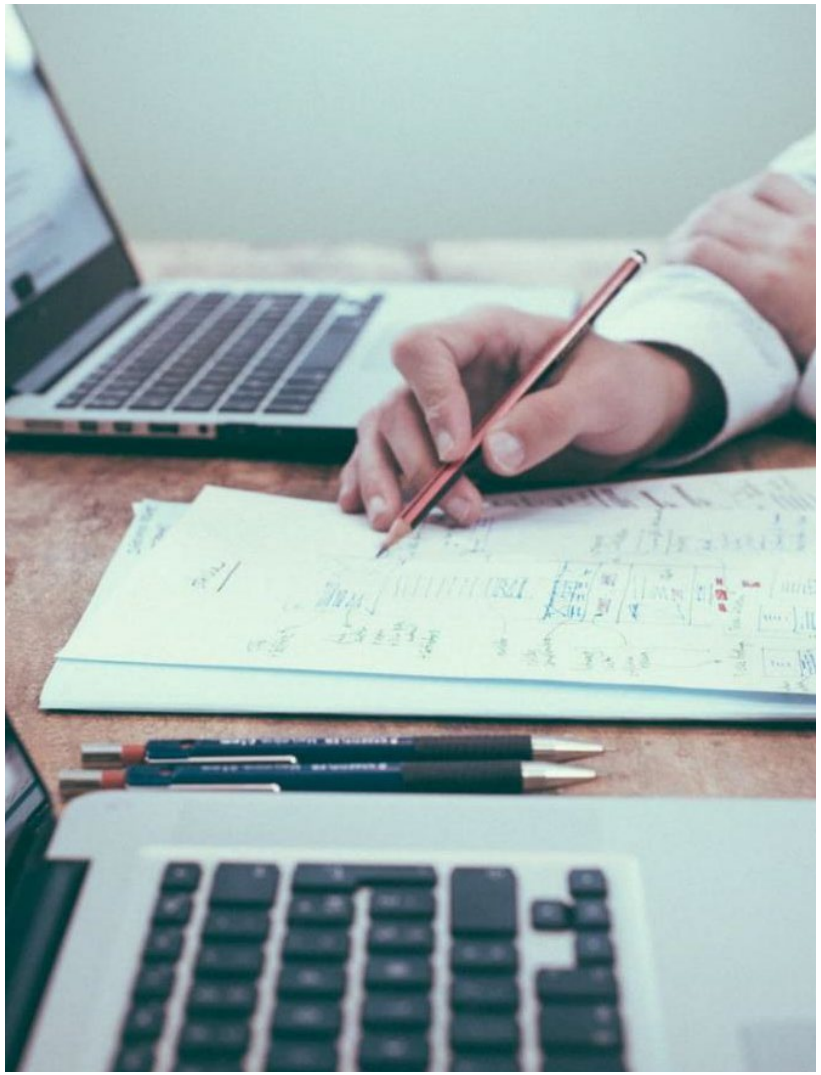
QIDP [1] status	❖ Extra 5 years (total of 8 years) exclusivity from generic competition ❖ Attractive economic benefits from FDA approval
Fast track status	❖ Following IND submission, allows increased consultation with FDA ❖ De-risks clinical trials and accelerates development pathway
LPAD [2] status	❖ Allows smaller, fewer and / or shorter clinical trials for FDA approval

Botanix plans to apply for all three programs to accelerate development, reduce clinical costs and increase exclusivity

1. QIDP: Qualified Infections Disease Product
2. LPAD: Limited Population Pathway for Antimicrobial and Antifungal Drugs
3. ASX 3 Feb 2021 BTX 1801 Phase 2a Clinical Study Data, ASX 4 May 2021 Update on BTX 1801 clinical development

Executing on key clinical milestones

- **Antimicrobial: BTX 1801 positive Phase 2a study results**
  Positive results announced, further Phase 2 study start Q1 2022
- **Rosacea: BTX 1702 Phase 1b study start**
  Recruitment currently underway, target completion mid 2022
- **Acne: BTX 1503 planning for Phase 3 clinical studies**
  Pending completion BTX 1702 Phase 1b/2 study
- **Dermatitis: BTX 1204A canine proof of concept study underway**
  To inform potential animal health licensing and re-launch Phase 2b human study - data anticipated 1H 2022
- **New indications and Permetrex™ opportunities**
  Actively assessing new indications and opportunities for rapid clinical development



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Dates are calendar year

Botanix Pharmaceuticals: a leader in topical drug development

Clinical stage dermatology company developing new treatments for common skin diseases and infection leveraging its novel delivery technology Permetrex ™

Developing novel skin delivery technology (Permetrex™) and novel mechanisms of action, including synthetic cannabidiol (CBD)

Late stage pipeline targeting dermatology and antimicrobial indications with topical treatments that are safe, well tolerated & clinically validated

Multi-billion dollar growth markets, with demand for new treatments and unmet needs.

Established IP position and protection

World-class , experienced team with significant track record and development expertise

Executing on pipeline across anti-microbial, rosacea, dermatitis and acne indications. Near term catalysts: Ph1b/2 Rosacea and Ph2 antimicrobial studies, new indications for rapid development

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