



2021 Annual Results Presentation

March 28, 2022



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Agenda



01

2021 Highlights

02

Business
Overview

03

R&D

04

Financial
Review

05

Q&A



01

2021 Highlights

Chairman, Director & CEO
Dr. Jing LOU

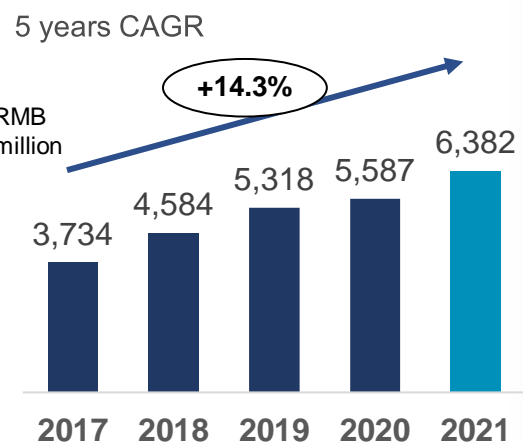


2021 Financial Highlights



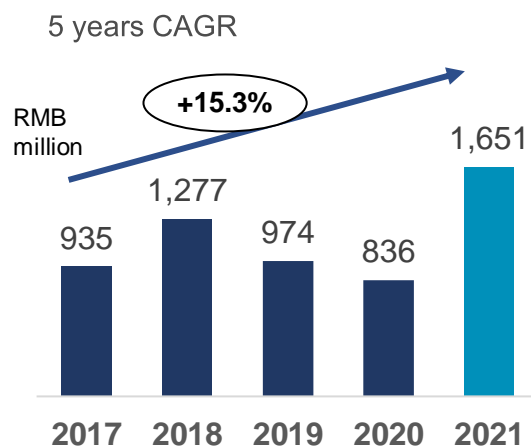
Revenue

6382 million, YOY+ **14.2%**



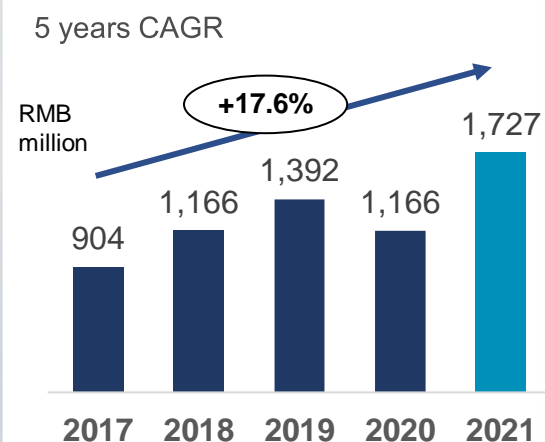
NI Attributable to Parent

1651 million, YOY+ **97.6%**



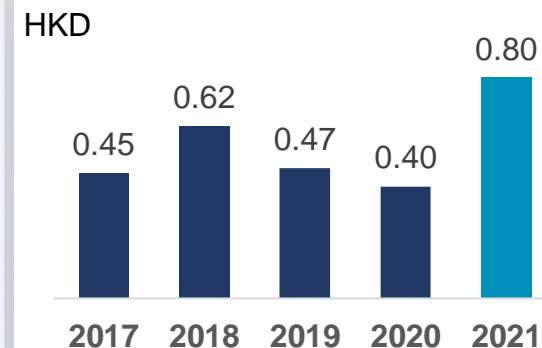
Norm NI Attributable to Parent

1727 million, YOY+ **48.1%**



Earnings Per Share

0.80 HKD, YOY+ **97.1%**



2021 Highlights



Biopharmaceuticals

- Core products sales **kept sustainable growth**
- **TPIAO** sales increased **12%** to RMB **3.1 billion**
- **rhEPO** sales increased **15%** to RMB **1.1 billion**
- **Yisaipu** sales rebound with **28%** to RMB **789 million**
- **51st** of 100 leaders in pharmaceutical industry 2020, leaped 5 positions



R&D

- **3 products NDA accepted for review:** MN709 (Minoxidil Foam); Remitch (Narfuraphine Hydrochloride Orally Disintegrating Tablets); Yisaipu pre-filled aqueous injection solution (301S);
- **2 Phase III progress:** TPIAO (pediatric ITP); Long-acting EPO (SSS06)
- **8 Phase II progresses :** Long-acting EPO (RD-01); anti-IL-17 Ab (608); anti-IL-5 Ab (601); anti-VEGF Ab (601A); anti-EGFR mAb(602); anti-Her-2 Ab (302H) etc.

International Cooperation:

- **PD-1:** The global development and commercialization right of 609A for its Syncrovax™ (specific therapy) were authorized to Syncromune Inc. 3Sbio has received an upfront payment and may receive future regulatory and sales, hundreds of millions dollars in total

- **Mandi** sales jumped **64%** to RMB **602 million**, All Hair varieties leaped by **61%**
- Mandi **tops** the sales list of **OTC drugs in Alibaba Health pharmacy** and **JD skin-care dept** during “618”, “Double 11” shopping frenzy
- Online pharmacy license acquired, **Mandi Hair Growth Pharmacy** is in business
- Formed strategic cooperation with **Yonghe Hair Transplant**
- **Minoxidil Foam** Phase III succeeded, NDA to NMPA was accepted for review



Hair Healthcare



CDMO

- **111 million** revenue from CDMO services, year-on-year domestic revenue shot up
- Platform “**SIGO Shanghai**” launched, **Shanghai Zhangjiang plant** undertook a number of R&D projects for domestic and international biotechnology companies
- **Shenyang Desen** completed all civil construction and part of mechanical and electrical construction for production line of 19.9K liters biopharmaceuticals capacity
- **Guangdong (Songshan lake plant)** 100 million pieces bulk capacity (including pre-filled aqueous injection solution and ampoules installed and debugged; 800 million pieces/year mRNA projects and plasmid production completed construction and design



02

Business Overview

Chairman, Director & CEO
Dr. Jing LOU





Business I : Biopharmaceuticals



Core Products Sustained Steady Growth



TPIAO

Recombinant Human Thrompoietin



rhEPO

Recombinant Human Erythropoietin



Yisaipu

Recombinant Human TNF- α Receptor
II:IgG Fc Fusion Protein for Injection



Other

Biopharmaceuticals

Including Ciptertim (Inetetamab Anti-Her2 mAb Injection) and Recombinant Humanized Anti-CD25 mAb Injection



Core biopharmaceuticals

revenue grew to **5.1** billion,

accounting for 80% of sales

YoY+ 16%, Resulting from:

- The continuous replacement with TPIAO and the improvement of penetration;
- rhEPO rose multi-dimensionally;
- Yisaipu revenue rebound to surge attribute to price reduction offset by enlarged quantity;
- New products kept increasing quantity etc.

TPIAO- Exclusive Commercialized rhTPO Product



Revenue of TPIAO, 2021

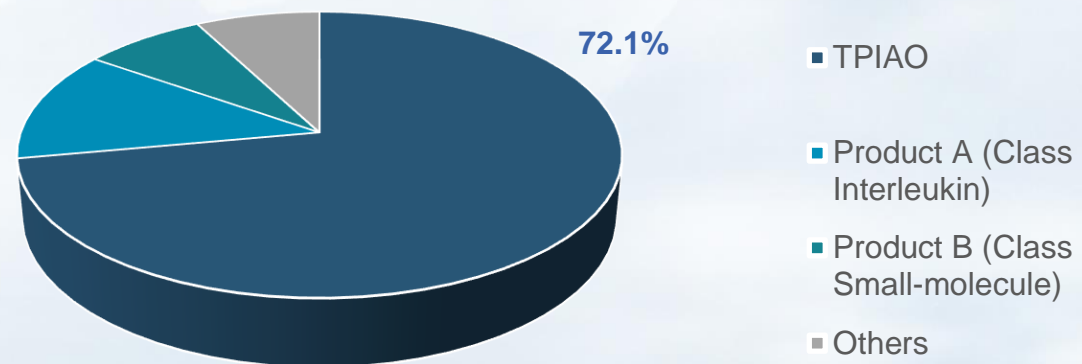
RMB million



1

Top 1 market share

72.1%¹ market share in terms of sales, still tops the first position in rhTPO products



1.Data source: IQVIA Jan-Dec, 2021, Total market volume includes TPO, interleukin-11 and Eltrombopag

TPIAO- Competitive Edge



1

Exclusive Product & Primary Treatments

Exclusive commercialized rhTPO worldwide. Primary treatment recommended by four types ¹ of guideline on the Diagnosis of Adult Primary Immune Thrombocytopenia

Indication	TPO	Interleukin-11	Eltrom-bopag	Avatrom-bopag	Herom-bopag
Immune Thrombocytopenia (ITP)	●	●	●		●
Chemotherapy-induced Thrombocytopenia (CIT)	●	●			
Pediatric ITP	Phase III				
Liver Transplantation Thrombocytopenia (CLDT)	Phase II			●	

Safety and Efficacy Shows Remarkable Clinical Advantages

01

Full-humanized Structure

rhTPO is expressed correctly and modified completely among mammalian cell, very similar to natural TPO and has low immunogenicity

02

Exclusive CIT Indication

Satisfy millions of CIT patients

03

Clinically Fast-acting

Satisfy inpatients' needs of faster platelet recovery and fewer side effects

04

Sufficient Capacity

Sufficient formulation and bulk capacity supports volume blossom

1. "Consensus on clinical diagnosis, treatment and prevention management of lymphoma chemotherapy induced thrombocytopenia in China" recommended treatment
 "Expert consensus for diagnosis and treatment of thrombocytopenia in China" listed TPO as primary treatment medicine
 "Expert consensus for diagnosis and treatment of thrombocytopenia in adult critical illness in China" recommend for treatment of bone marrow suppression thrombocytopenia
 "Principles for treatment of pediatric Idiopathic Thrombocytopenic Purpura" recommend for emergency medicine for child ITP

TPIAO- Distinct Space for Stable Growth



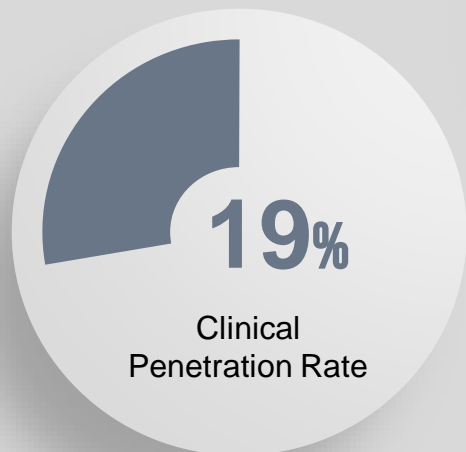
31%

Replacement and Penetration of Current Therapy

The continued increase in the number of hospitals covered, the penetration rates improved to 31% and still could continually supplant traditional IL platelet-raising drugs

2018

- the number of hospitals covered <2000



31%

Clinical Penetration Rate

- the number of hospitals covered >4000

2021

Anticipated Indication Expansion

Est. NDA submission :
Q2 2022

Est. NDA submission :
2024

Indication Expansion

Pediatric ITP

Number of patients: 13K per year¹

- Phase III patient enrollment completed
- Lack NMPA approved drug, exclusive drug if launched

CLDT

- Number of patients : 350K+ per year²

- Phase II patient enrollment is about to be completed

- Solve safety problems, vast patients would bring larger market

1.Data source: pediatric ITP treatment guidelines

2.Data source: the liver cirrhosis patients whose platelet measured value reduces less than 50K, and need to receive invasive operations

rhEPO- EPIAO & SEPO



Revenue of rhEPO , 2021

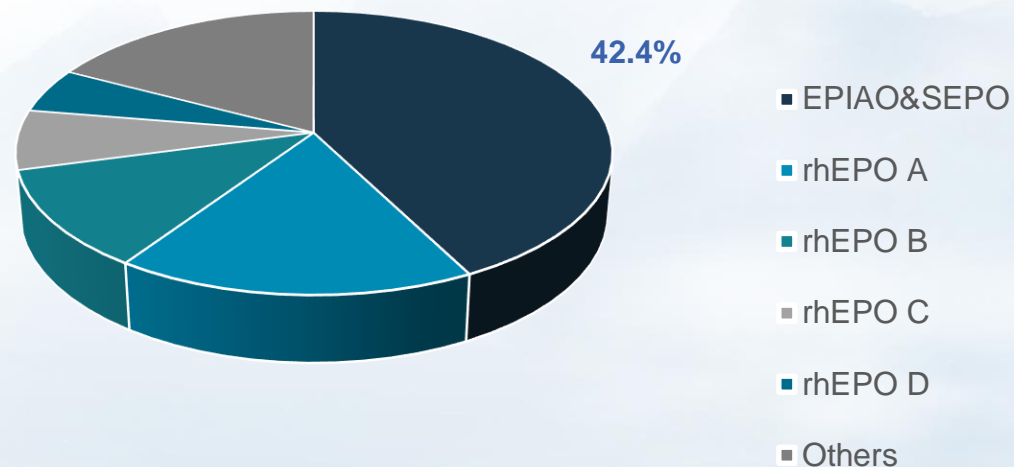
RMB million



1

TOP 1 Market share

Two brands dominate **42.4%** market share, preside Top 1¹ position in terms of EPO market share



1. EPIAO & SEPO dominated 31% & 12% market share respectively, dual brands market share soared 41% yoy

rhEPO- Prospects



36%
Penetration rate
800K+ patients,
10% annual rate of growth

CKD Standards Enhanced

- Number of end-stage CKD patients reaches 3.5 million¹. 70% of dialysis patients suffer from anemia, while treatment rate < 40%
- 2021, NHC enhanced QC standards of renal anemia hemoglobin to 110g/L², then medication demands surged



10%
Treatment rate
4 million+ CIA patients,
Extremely low treatment
rate of anemia

CIA Broke Growth Bottleneck

- Number of Chemotherapy-Induce Anemia (CIA) patients reaches 2-3 million, while treatment rate <10%
- 2019, CIA was insured in healthcare, CIA became new growth point



40%
Growth rate
Sales in low-tier market
increased rapidly

Low-tier Penetration Accumulated

- NEDL stimulated low-tier medical institutions' adequate medication willingness
- EPIAO & SEPO cover 3 specifications in NEDL³
- Low-tier market growth rate achieved ~40%

1.Data source: CNRDS 2020

2.NHC " 2021 Document for Improvement of Quality Control ([2021] no.51) "

3.Data source: on the 2018 National Essential Drug List, rhEPO covers 2000IU, 3000IU and 10000IU

Yisaipu – Earliest Commercialized TNF- α Inhibitor



Revenue rebound to surge attribute to price reduction offset by enlarged quantity

Q4 2020 initiated
50% price cut

2021 sales 789 m¹

28% increase yoy

2021
YoY+90%
Volume
Increase

Competitive edge: patients benefited domestic product

1st

First Commercialized

- 8 years in R&D, in 2005, Yisaipu became the **First** TNF- α inhibitor commercialized in China, filling the blank for arthritis treatment, approved **5** years earlier than brand drug



Effective & Secure

- Low-immunogenicity, low incidence of tuberculosis, liver disease, severe bacterial infection. **16** years clinical experience proved efficacy and safety



Cured Patients

- Professional education & practice revamped treatment of arthritis, cured **100K** of patients on a yearly basis

Prospects: Expand to lower-tier market

List of Essential Drugs
promoting Yisaipu being listed

Medical Institutions
3700 plus medical institutions

Low-tier Market
2021 expanded to **670**
counties, **900** plus
county-level hospital

Biologics Consumption
8.3% of penetration **50.7%** less
than developed nations

Remitch- Exclusive Drug Targeting Hemodialysis Pruritus Patients



First-line Drugs for Liver& Kidney Disease Pruritus in Japan Guidelines

Current Indications of Remitch in Japan



Uremic pruritus (UP) -2009

Chronic Liver Disease Pruritus (CLD-aP) -2015

Peritoneal dialysis Pruritus -2017

2018
Introduc-
ed in

2019
IND
approved

2021
Bridging
succeed

2022
NDA
submitted

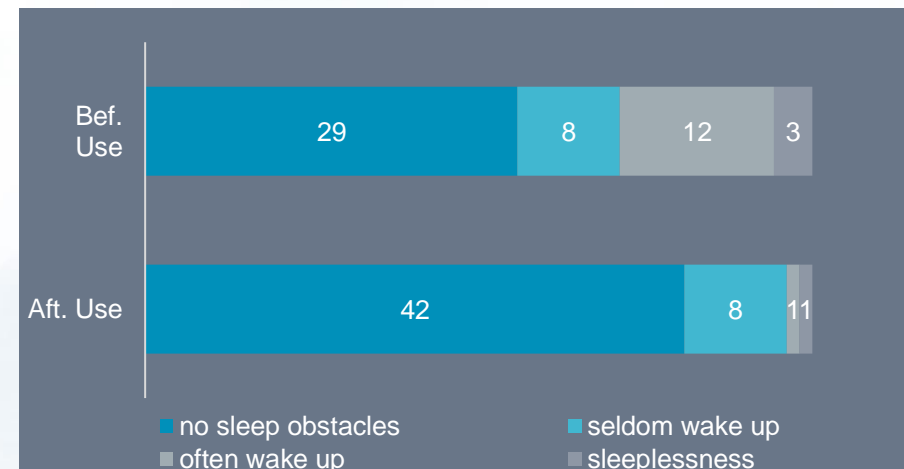
- 2018, Cooperation between Sunshine & Toray provides exclusive commercialized license in Mainland China

Clinical trial confirms that Remitch :

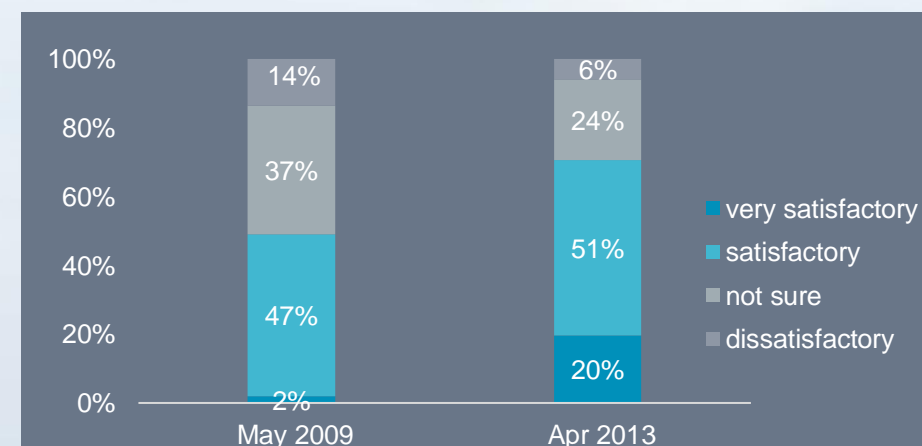
- 80% efficacy to relieve acutely severe skin itching ;
- No addiction, 80% of patients no more suffered from sleep obstacles

- The first drug in Mainland China targeting hemodialysis pruritus with an expected early market launch

80% of patients had no sleep disorders after usage



71% Treatment satisfaction¹ after usage

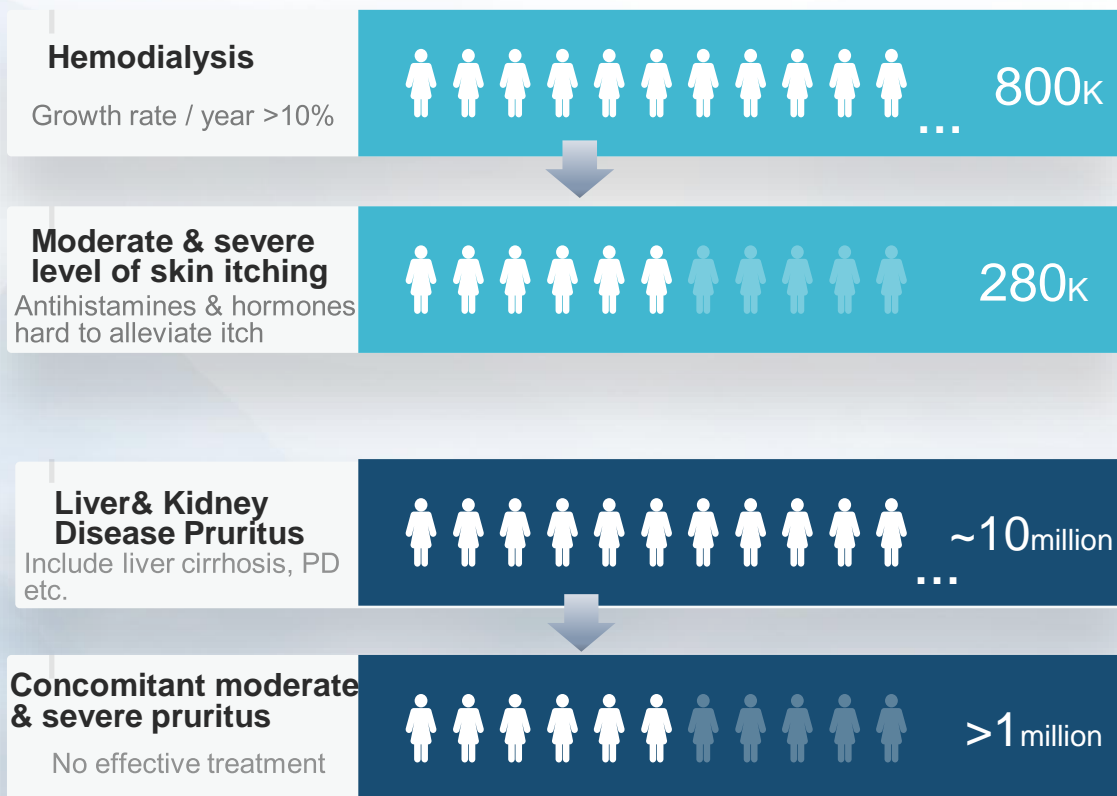


Remitch- Prospects

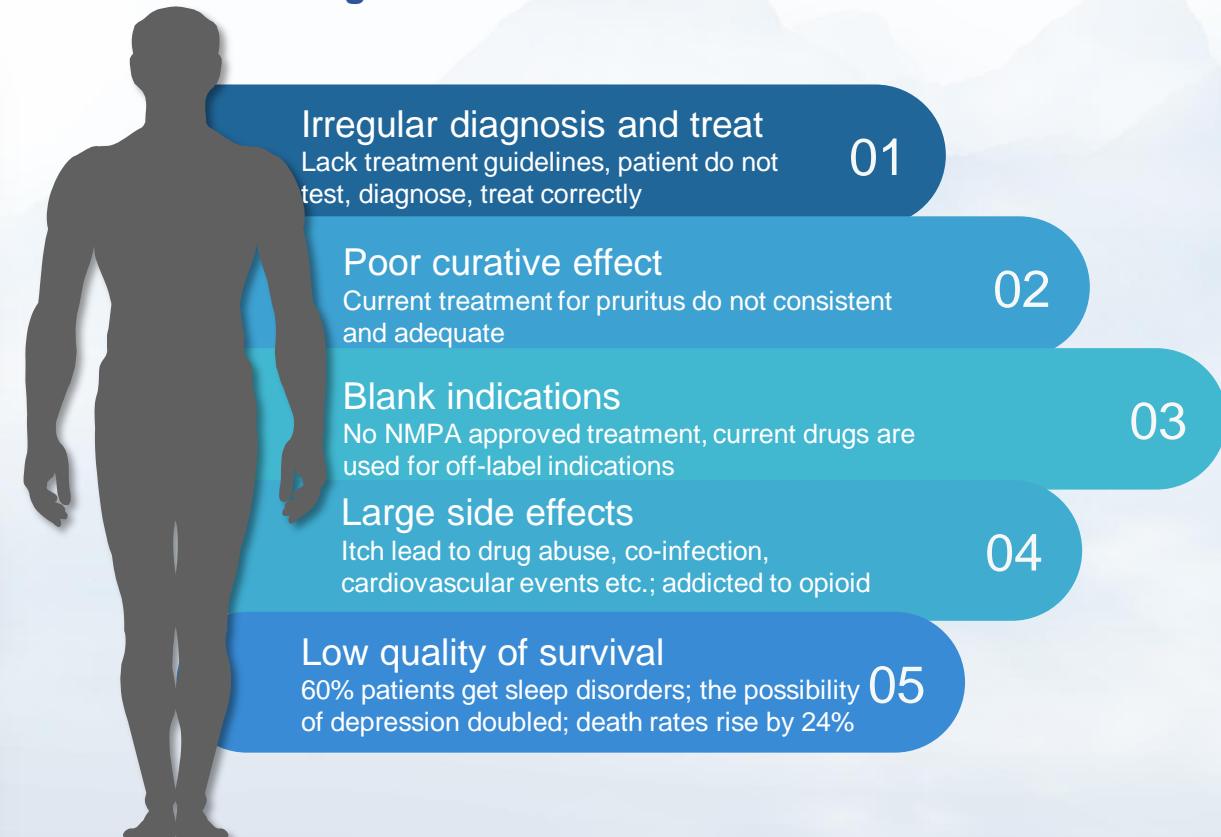


Focus on Millions of Nephrology Patients' Clinical Demands

Indications in Domestic Potential Market:



No Effective Drug for Pruritus Patients in Mainland China:





Business II: Hair Healthcare



Mandi – Effective & Reliable Hair Growth Product



2021, Revenue of Mandi

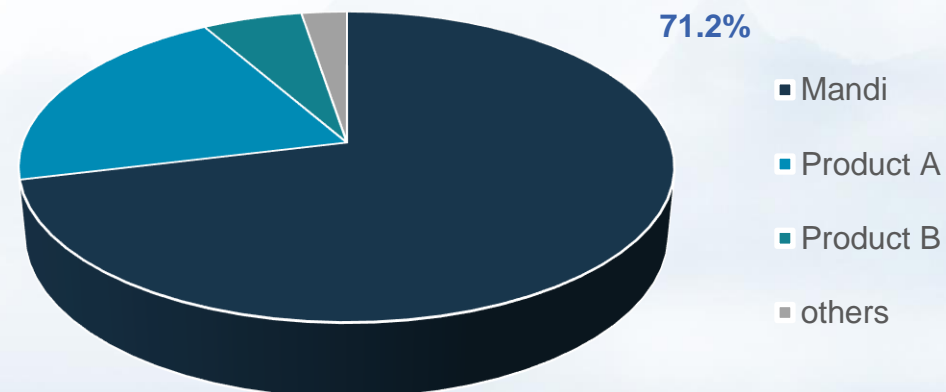
RMB million



1

Top 1 Market Share

71.2% Market Share, secured top 1 minoxidil ¹



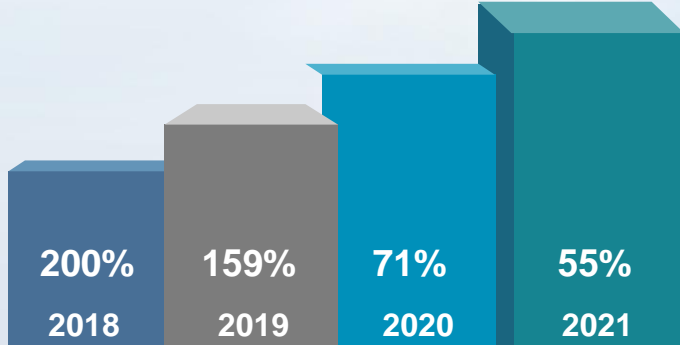


Ecommerce Platform	Field	Rank	"Double 11 Shopping Frenzy" Sales Achievement
 天猫	Alibaba OTC	1	Sales frontrunner OTC Pharmaceutical dept
 京东	JD OTC	5	5 th JD "Double 11 Shopping Frenzy" OTC
 JDH 京东健康	JD live room Pharmacy	1	Champion of JD Pharmacy "Double 11" live room

1. Market share data source: CPA

Mandi – 3 Channels Propel Sales Increase



Hospital Wholesale	Retail Pharmacy	Ecommerce Platform										
<p>Revenue Increase:</p> <p>~35%YOY</p> <p>~20% of Revenue</p>	<p>Revenue Increase:</p> <p>~150%YOY</p> <p>~23% of Revenue</p>	<p>Revenue Increase:</p> <p>~55%YOY</p> <p>~57% of Revenue</p>										
<p>200 plus Personnel</p> <p>2000 Hospitals; 700 Hair Loss Clinics</p> <p>Strategic Collaboration with Yonghe Hair Transplant</p>	<p>100 plus Personnel</p> <p>65K Pharmacy, Strategic Collaboration with Top Chains</p> <p>Online Pharmacy License</p>	<p>Reached 20 million plus people/year, 2 million plus customers/year</p> <p>New customer rate ~70%</p> <p>Female customer rate climbed continually</p>										
		 <table><tr><th>Year</th><th>Percentage</th></tr><tr><td>2018</td><td>200%</td></tr><tr><td>2019</td><td>159%</td></tr><tr><td>2020</td><td>71%</td></tr><tr><td>2021</td><td>55%</td></tr></table>	Year	Percentage	2018	200%	2019	159%	2020	71%	2021	55%
Year	Percentage											
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2020	71%											
2021	55%											

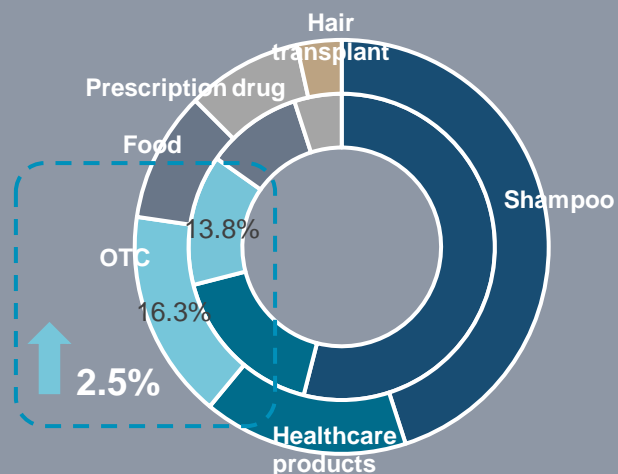
Mandi – Competitive edge



Minoxidil- Only Scientific Effective Topical OTC Drug

- Receives the highest endorsement level in the “Guideline for Diagnosis and Treatment of Androgenetic Alopecia in terms of its safety and effects
- Younger consumers rationalize the purchase

Changes on Market Shares of Hair Loss Products



01

More **scientific and effective** VS healthcare products

03

For **male and female** different level of alopecia

02

More **safe and economical** VS hair transplant

04

Included in **hair transplant treatment**, become a crucial procedure

1. Source: drug instructions

Mandi- Excellent Quality

- Three times process optimization, BPS patent, stability for room temperature storage of Minoxidil, suit pH value on scalp
- Manufacturing with BOSCH production line ensures automatic filling, non-contact operation
- Domestic exclusive foam agent, formulation upgraded, more suitable to the sensitives

Domestic on Sale Minoxidil Comparison

Brand	Certificate	OTC License	Storage ¹
Mandi	Y	Y	Room Temperature
Brand A	N	Y	20-25°C In exposure
Brand B	Y	N	Room Temperature
Brand C	Y	Y	<20 °C

Mandi- Prosects



Hair Matrix Gradually Formed

Enrich hair related products, enhance convenience and user stickiness; extend to basics for broader population coverage

Mandi Standard Version
Monthly course



Finasteride
Sell agents, first-line guideline drug for hair loss



Mandi Female Version
Monthly course for female



Mandi Shampoo
Extend to scenes of life in terms of hair healthcare



Mandi Pro Portable Version
10mL, equipped with diverse brushes



Mandi Comb
Drug use & hair care integrated intelligent tool



Vast Market Size

Huge potential of 10 billion market

• Customer Base

3 million

• Volume Per Capita

Approx. 2

• Desired Customer Base

10% penetration 25 million

• Desired Volume Per Capita

Standard session 6/half a year

Patients		250million							
Penetration		0.4%	1%	2%	3%	4%	5%	10%	15%
price \ population		100	250	500	750	1000	1250	2500	3750
1500		15	38	75	113	150	188	375	563
1000		10	25	50	75	100	125	250	375
600		6	15	30	45	60	75	150	225
300		3	8	15	23	30	38	75	113
100		1	3	5	8	10	13	25	38



Business III: CDMO



CDMO- Global One-stop Service Supported Platform



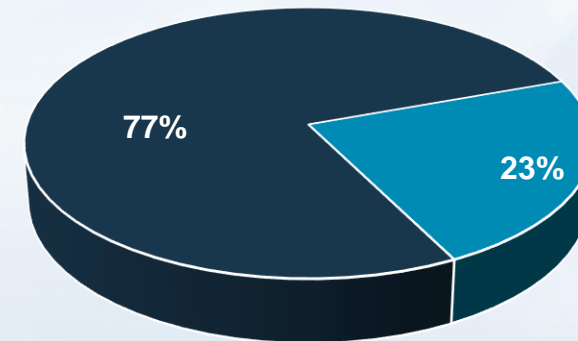
2021, Revenue of CDMO Business

1

70% Revenue from Overseas Clients

Foreign revenue came from European subsidiary Sirton and other foreign clients license; Domestic clients contributed to large amount of incremental revenue

RMB million



- Overseas Clients
- Domestic Clients

CDMO- Competitive Edge



Comprehensive Technology Transfer Process

Transfer experience sourced from dozens of projects in various stages and is combined with company know-how to accelerate projects



Rich Project Management Experience

Productive overall Mgt & process Mgt, increasing projects turnover rate



Mature IND\NDA Submission Experience

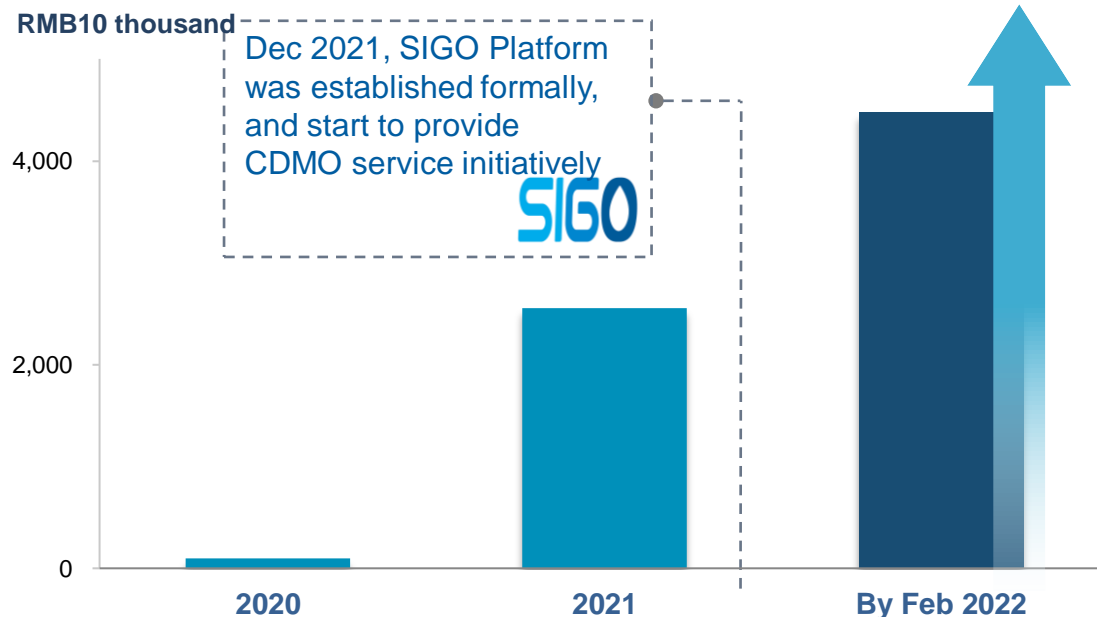
Scarce submission experience in the late clinical study stage & commercialized stage, originating from several commercialized products



Localization of Supply Chains

Layout nationalization of industrial chains upstream such as affinity resin, culture medium; provide controllable and cost-effective CDMO service

Biopharmaceuticals CDMO Revenue¹ Boosted



1. Biopharmaceuticals CDMO Revenue refers to the group total CDMO revenue excluding revenue from overseas subsidiary Sirton and technology transfer fee

CDMO- Global CDMO Plants



Group CDMO Map

- Devoted to R&D, Clinical Study and Commercialization Service in Regard to Biopharmaceuticals, Gene Therapy, Cell Therapy
- Committed to Providing Real One-stop Service for innovative drugs from DNA to Launch, Ensuring Smooth in All Key Milestones



CDMO- Prospects



- Integrated resources
- Begin operate independently
- Improve localization of key material
- Planning 1.5K L /year Protein-A affinity resin and 105 ton /year culture medium production lines in Shenyang
- Expand GT, CT Business
- Expand domestic & overseas business complying with production release
- Make sure growth constantly
- Realize sustainable development
- Leading domestic CDMO supplier
- Broaden global market share

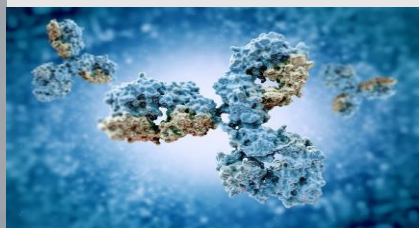
Integration
2021

Improvement
2022-2023

Expansion
2024-2025

Sustainable Development
2025-

Biopharmaceuticals



Supply Chain



Gene Therapy



Cell Therapy





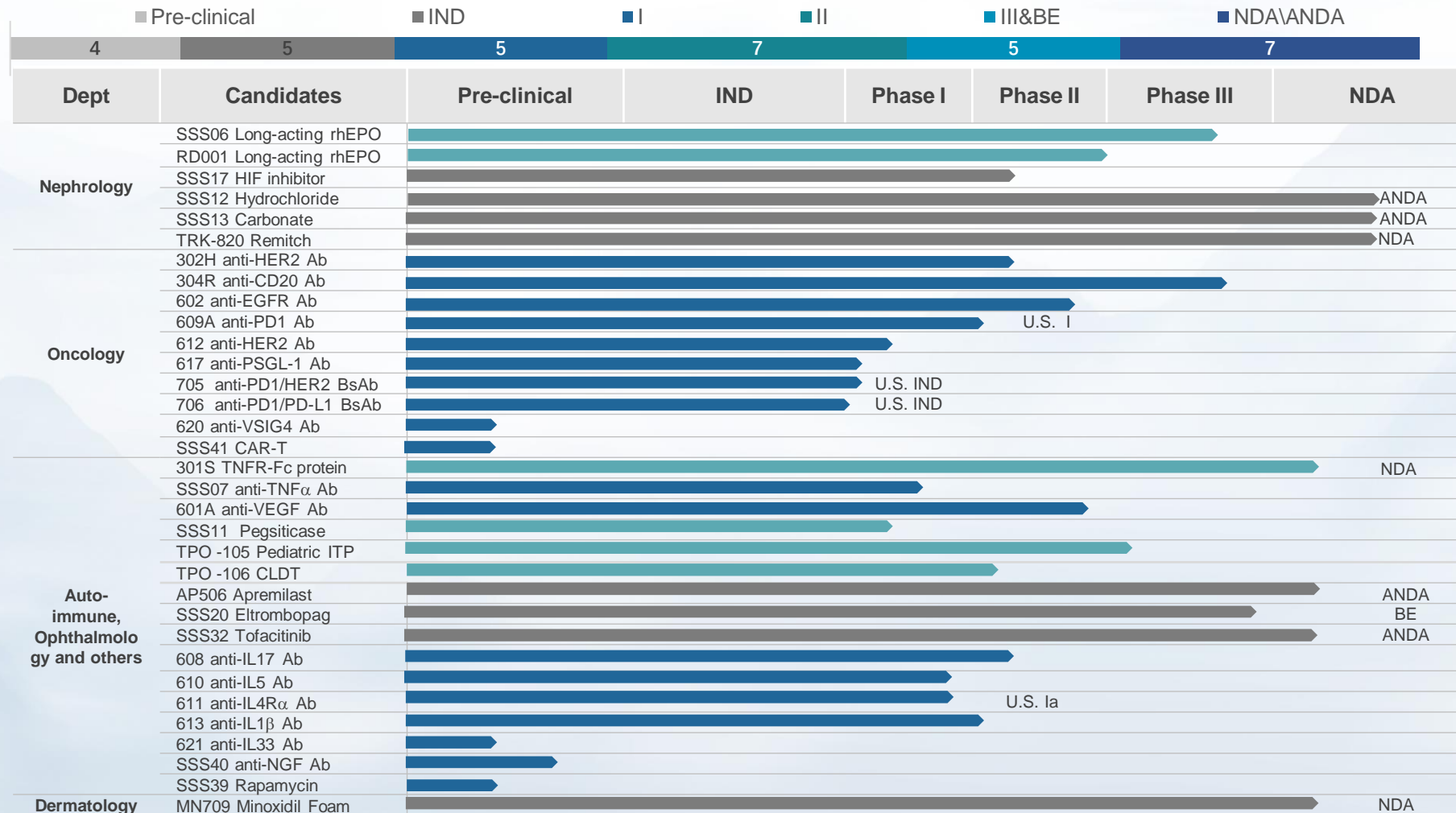
03

R&D

**Chief Scientific Officer
Dr. Zhenping Zhu**



R&D Pipeline



- Small molecule drugs
- Antibody-drugs
- Other drugs

R&D Progress



304R anti-CD20 mAb (Non-Hodgkins Lymphomas)

Phase III inspection completed

602 anti-EGFR mAb Phase II

302H anti-HER2 mAb Phase II

612 anti-HER2 IND approval

609A anti-PD-1 mAb China Phase II, U.S. Phase I completed

617 anti-PSGL-1 mAb IND approval

705 anti-PD-1*HER2 BsAb China/U.S. IND approval

706 anti-PD-1*PD-L1 BsAb China/U.S. IND approval



Oncology

SSS11 Pegsiticase (Acute gout) Phase I

MN709 (Minoxidil foam) NMPA accepted for review

601A anti-VEGF mAb (AMD\DMF) Phase II

601A anti-VEGF mAb (BRVO\CRVO\pmCNV)

Phase I/IIa



Dermatology,
Ophthalmology
and Others



Auto-immune

301S TNFR-Fc R-protein NMPA accepted for review

608 anti-IL-17mAb (PsO) Phase II

608 anti-IL-17mAb (SpA) IND

SSS07 anti-TNF- α mAb (RA) Phase II IND

611 anti-IL4R α mAb (AD) China Phase Ib/II, U.S. Phase Ia completed

613 anti-IL-1 β Ab Phase Ib/ II



Nephrology

TPO-105 (Pediatric ITP) Phase III

TPO-106 (CLDT) Phase Ib/ II

SSS06 long-acting EPO (Double weekly) Phase III

RD01 long-acting EPO (Monthly) Phase II completed

SSS17 HIF Inhibitor Phase I

TRK-820 (Narfuraphine hydrochloride orally disintegrating tablets) NMPA accepted for review

R&D Strategy-Balance between Risk and Efficiency



Strategy-Balance between Risk and Efficiency within Controllable Costs



- Traits: high risk, long R&D cycle, high yield
- Advantages: cooperate with external resources; independent mAb discovery platform; animal modelling strength, comprehensive study within controllable costs



- Traits: specific druggability, low risk, short cycle, high yield
- Advantages: Ab reserves with proprietary intellectual property rights; mature develop platform; complete team



- Traits: clear mechanism, druggability, undefined clinical benefit; long R&D cycle, high risk
- Advantages: global talents for cell signaling pathway and mechanism study; abundant macromolecule druggability study experience including complex molecule

Major Projects Introduction:

	706	617	621
Indication	Solid Tumor	Solid Tumor	COPD
Mechanism	Immune Regulation	Immune Regulation	Immune Regulation
Traits	1. Apply independent R&D (CLF ²) platform	1. Screen for specific tumor Ab which could adapt M2 to M1	1. Site-directed mutagenesis optimize sequences, expression enhanced greatly
	2. Employ common light chains without heavy and light chain mismatch	2. Not bind N-terminal PTM, not block L-selectin, reduce potential toxicity	2. After mutagenesis, the thermal stability of Ab improved substantially
	3. Maintain the affinity and avidity for dual targets as quadrivalent Ab	3. Specificity can activate anti-tumor immune response	3. After optimization of sequences, PK extended significantly
	4. Similar stability with mAb, product with mAb technology	4. Multiple cross, easy for pre-clinical study toxicity and drug effect study	4. Excellent in vitro and in vivo activities
	5. Superior physicochemical properties and thermal stability		
	6. Select IgG4 and introduce S228P mutations, reduce toxicity risk		

Clinical Strategy- Accelerate Autoimmune Clinical Pipelines



Based on Clinical Demands for Autoimmune & Inflammation

01

4.2% prevalence of Asthma in the population aged 20 years and older in China, the number reached **45.7 million**;

---Massive CPH Study Launched on the Lancet in 2019 (Adults Lung Health Study in China)

02

100 million approx. COPD Patients in China

---COPD Prevalence and Risks Study in China Launched on the Lancet in 2018

03

61.5 million approx. AD patients in 2019, the number will increase to 65.9 million in 2030;

---Data source: Frost & Sullivan

04

177 million approx. Hyperuricaemia patients; **14.66 million approx.** Gout patients

--- "Guidelines for Hyperuricaemia & Gout (2019)"

Pipeline strategy:

Indications
Coverage:
RA, AS, PS

Pipeline
Expansion,
Construct FIC/BIC
products

Pipelines Newly
Indications Coverage
AD, Chronic Sinusitis,
Asthma, AG Arthritis, ...



Autoimmune Pipeline Launch Prospects:

Project	Indication	2023	2024	2025	2026	2027
608 (IL-17A)	PsO	NDA				
	SpA			NDA		
610 (IL-5)	Eosinophil asthma				NDA	
611 (IL-4R)	AD		NDA			
	Sinusitis		NDA			
613 (IL-1 β)	AG Arthritis			NDA		

Autoimmune Major Products



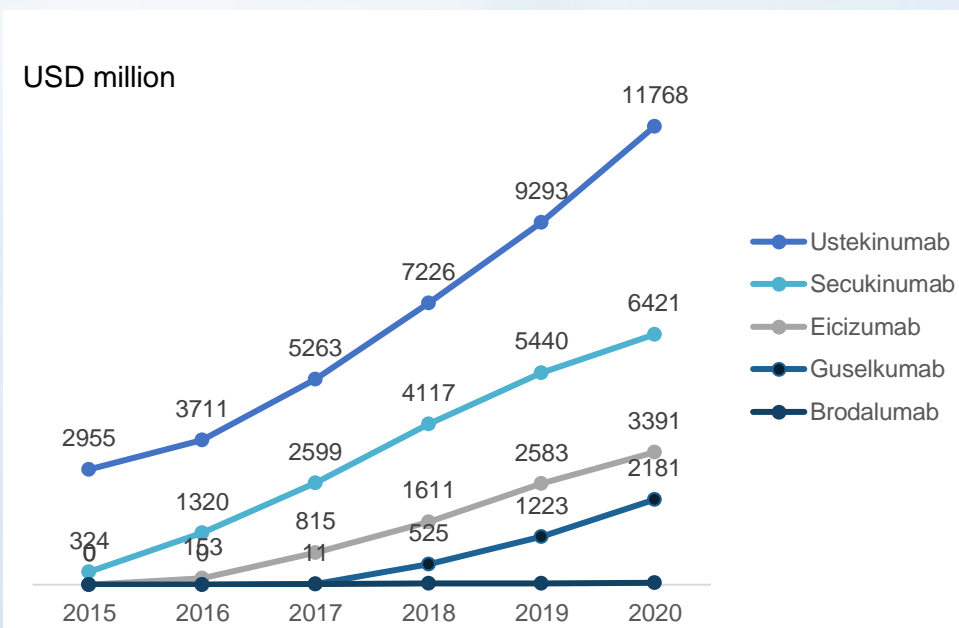
608- Moderate-to-Severe Plaque Psoriasis

Brand-new Amino Acid Sequence Targeting IL-17A	Significant Safety and Drug Effect	High Incidence Rate, Huge Market Size
<ul style="list-style-type: none"> 608 Ab adopts recombinant DNA technology and expresses in the CHO cells 608 Ab is an fully brand-new amino acid sequence targeting IL-17 	<ul style="list-style-type: none"> Significant safety and tolerance; Healthy persons Phase I data showed long half-life (drug delivery once/month), linear relation between exposure and dose, not immunogenic; Efficacy data corresponds to Eicizumab, Secukinumab 	<ul style="list-style-type: none"> ~0.47% prevalence rate, 6.5-7 million /year PsO patients in China 70%~80% of plaque psoriasis among all PsO, exist huge market potential and the global market share increased by years; Anti-IL-17 mAb shows high efficacy for PsO patients, worldwide status improved by years

608 PsO Progress Rank No.3 in China

	No.	Target	Company	Indication	Pre-or IND	I	II	III	NDA/Launch
1	SHR1314	IL-17A	Hengrui	PsO				Recruiting	
2	GR1501	IL-17A	Zhixiang	PsO				Recruiting	
3	SSGJ-608	IL-17A	Guojian	PsO			Recruiting		
4	JS005	IL-17A	Junshi	PsO			Recruiting		
5	LZM012	IL-17A/F	Lizhu	PsO			Planning recruitment		
6	HB0017	IL-17	Huabo	PsO		Planning recruitment			

Global sales of mAb for PsO



Autoimmune Major Products



610- Eosinophil Asthma

Brand-new mAb Targeting IL-5, Variable Region Sequences

- Adopt recombinant DNA technology, new sequences recombinant IgG1 mAb developed independently;
- combine IL-5 directly to block action with the alpha chain receptor on EOS surface, inhibit eosinophilic airway inflammation responsiveness, reduce acute episode risks

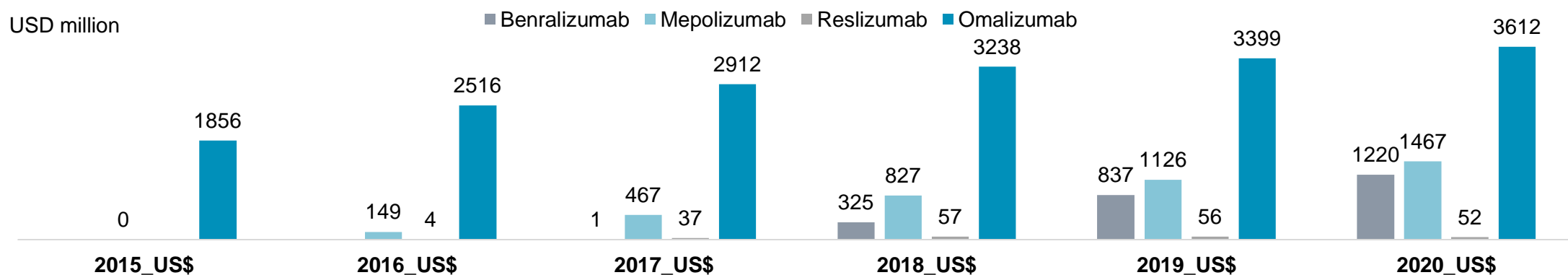
Outstanding Safety, Significant PK Linear Relation

- Outstanding safety and tolerance, ADA negative;
- Healthy persons Phase I data showed long half-life, indicated significant linear relation between exposure and dose, PK trait similar with Mepolizumab

High Incidence Rate, Huge Market Size

- The article¹ launch on the Lancet in 2019 illustrates, **4.2%** prevalence of Asthma in the population aged 20 years and older in China, the number reached **45.7 million**, greatly exceed past estimation;
- Global biologics for asthma sold 6.3 billion USD 2020; Omalizumab(anti-IgE) is the only NDA approved biologics, **610 R&D Progress Rank No.1 in China**

USD million



The First IL-5 mAb IND in China, Distinct Leading Edge

No.	Target	Indications	Company	pre-IND/IND	Ia	Ib	II	III	NDA	Launch
610	IL-5	Eosinophil asthma	Sunshine Guojian	Recruiting						
SHR-1703	IL-5	Eosinophil asthma	Jiangsu Hengrui	Planning recruitment						

1. "Study for Prevalence, Risks and Diseases Management of Adults Asthma in China"

Autoimmune Major Products



613- Acute Gout Arthritis

Brand-new mAb Targeting IL-1 β	Outstanding Safety, Significant PK Linear Relation	High Incidence Rate, Huge Clinical Demands
<ul style="list-style-type: none"> Adopt DNA recombinant DNA technology, construct and express in the CHO cells to acquire recombinant anti-IL-1β humanized Ab; IL-1β is a major mediator of acute gout arthritis inflammation Targeting IL-1β treatment is efficient for acute gout arthritis 	<ul style="list-style-type: none"> Study conducted on healthy Chinese subjects, demonstrating outstanding safety and tolerance PK traits: long half-life, exposure and dose indicated significant linear relation; Current data showed no ADA positive; Non-clinical & clinical results indicated it is similar with Canakinumab 	<ul style="list-style-type: none"> Worldwide: the research based on Asian, European, and North American population illustrates, 0.6 to 2.9/1000 person /year incidence rate, 0.68%-3.90% adults prevalence ratio ; China: 1%~3% prevalence, > 80 million gout patients, grow rapidly at 9.7%/year; most gout patients would suffer from acute episode repeatedly; ACR, EULAR and China Guideline indicate patients with repeated episode or refractory AG could consider IL-1 receptor treatment

Three Components Targeting IL-1 β , Attractive Market Competition Structure

Target	Company	Product	Indications	IND	I	II	III
IL-1 β	Changchun Jinsai	Jinna mAb	Acute gout arthritis	Recruiting			
	Sunshine Guojian	613	Acute gout arthritis	Planning recruitment			
IL-1R	Jiaochen	IL-1 receptor	Gout arthritis (interval)	Recruiting			

Canakinumab Sales Revenue



Data source: Insight Database

International Cooperation



International R&D Collaboration



Massachusetts U.S.

- VSIG-4、PSGL-1 targets research, Sunshine is responsible for commercialization in Chinese Market¹
- VTX-0811 clinical trial approved by FDA, expected to conduct Phase Ia/Ib study in Q1 2022, IND China accepted for review in Jan 2022



Zurich Switzerland

- Develop and commercialize series of new polyspecific antibody based on Numab technology platform
- Select NM28 as the initial authorized product (NM28 is the best potential CD3 T-cell engager targeting MSLN for mesothelioma treatment)

1. Taiwan, Hongkong, and Macao markets are included

International Registration /Clinical Trial

Commercialized products registered abroad

- Yisaipu was acquired launching license from 15 countries and registered among various countries.

Independent R&D innovative products conducted international clinical trials

- 609A、611、705、706 projects are conducted IND/clinical study in both China and U.S.

Independent R&D projects actively seek international cooperation

- The global development and commercialization right of 609A for its Syncrovax™ (specific therapy) were authorized to Syncromune Inc. 3Sbio has received an upfront payment and may receive future regulatory and sales, totaled hundreds of millions dollars.
- Pegsiticase started Phase III clinical study in U.S. and 3Sbio supplies formulation overseas.

R&D Centers



4 Centers, 5 Platform: Cover All-process of Drug Discovery, R&D, Register, Clinical Study, Production

Shenyang-Biologics,
Synthetic



Shenyang-Biologics,
Synthetic



Shenyang-Biologics,
Synthetic



Hangzhou-Synthetic Drugs



BsAb & Polyspecific Ab Platform

- Multifunctional
- New mechanism
- Distinct druggability, easy to product (CLF² BsAb Platform)



Multifunctional Fc Protein Platform

- Discover new function based on new mechanism
- Diversified forms



Ab Maturity and Optimization Platform

- Humanized
- Improve physicochemical properties
- Mature affinity
- Function expansion and optimization



Ab Selection Platform

- Facilitate new targets R&D
- Convenient, fast, costs-controllable R&D



Pre-clinical Animal Drug Effect Platform

- Convenient, fast, costs-controllable
- On-demand design for explore new mechanism
- Mouse, rat, rabbit etc. multi-species project design



04

Financial Review

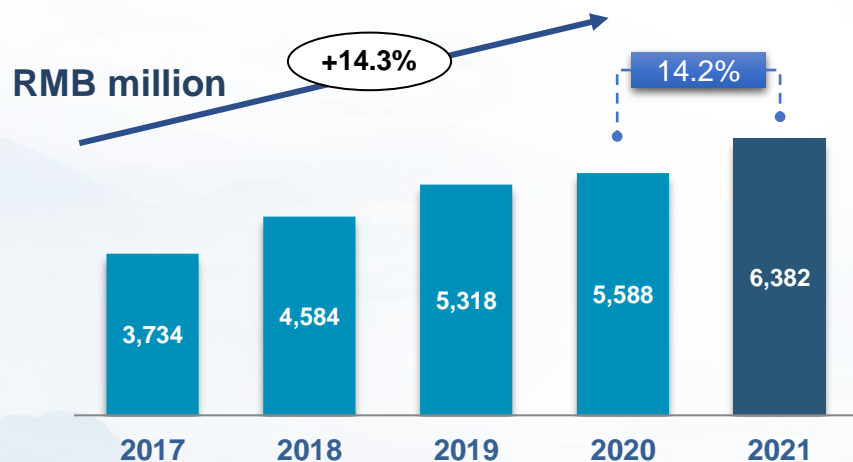
Chief Financial Officer
Mr. Fei WANG



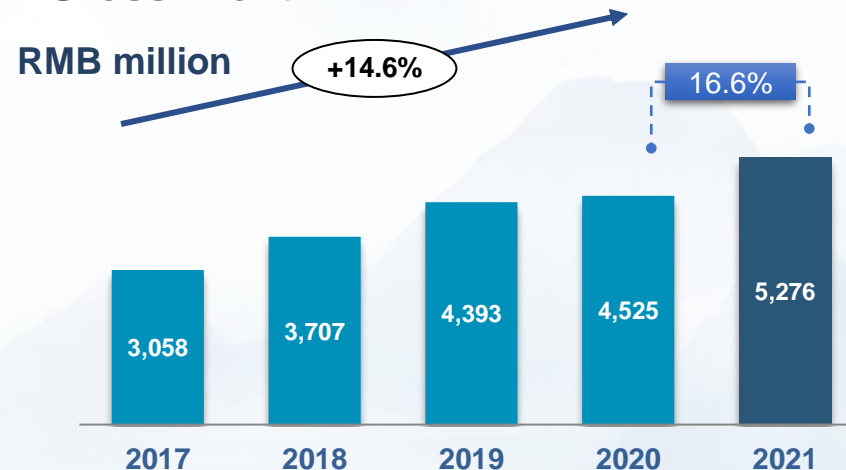
Revenue Continually Grow for 5 years, Gross Profit Rate Remained over 80%



Revenue



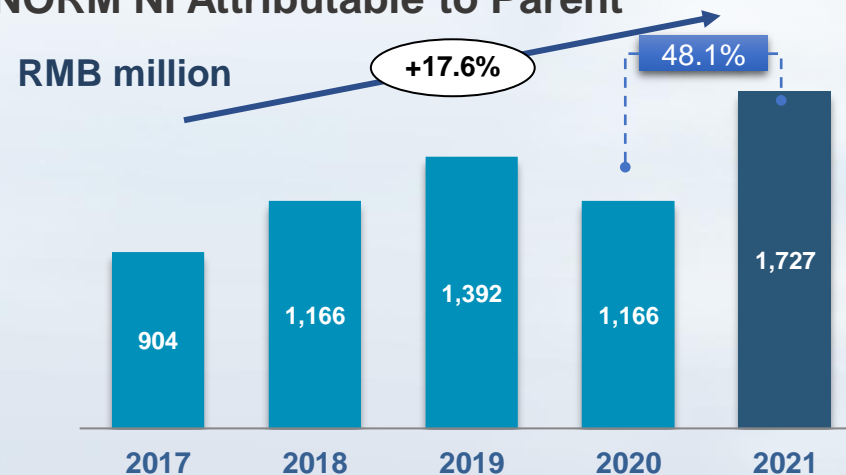
Gross Profit



NI Attributable to Parent



NORM NI Attributable to Parent



Extremely Attractive Earnings



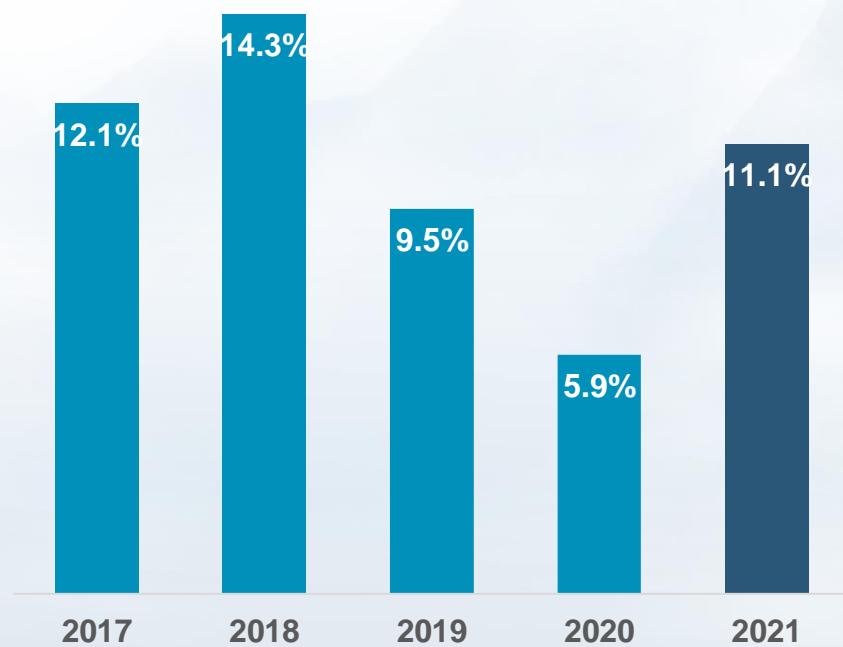
EPS (HKD)

HKD

YOY+ **97.1%**



ROE

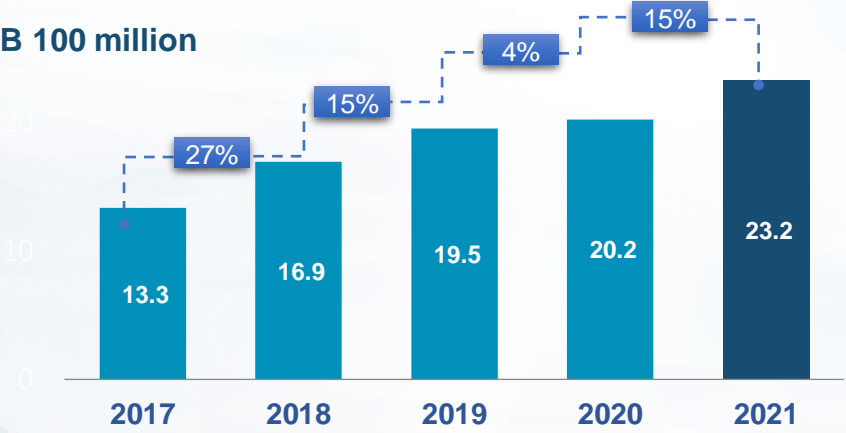


R&D Ratio Improved Constantly, Costs Reasonably Controlled



Selling and Distribution Expenses

RMB 100 million



S&D Ratio (%)	35.6	36.9	36.7	36.1	36.4
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R&D Costs

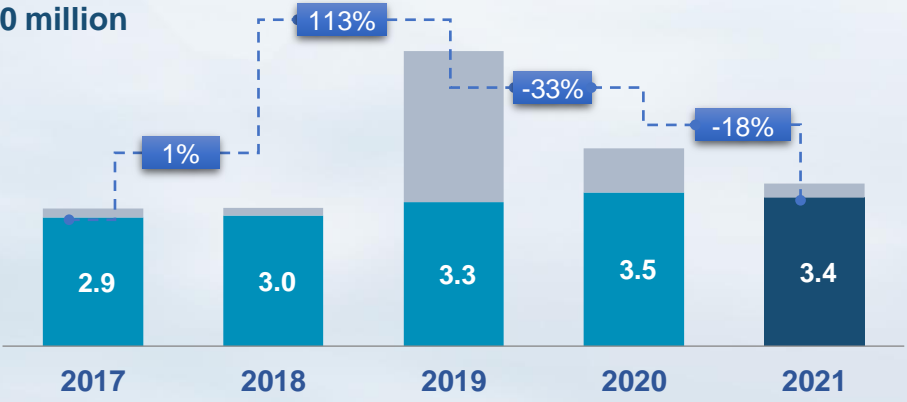
RMB 100 million



R&D Ratio (%)	6.9	7.9	9.9	10.6	11.8
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Administrative Expense

RMB 100 million



- Equity Incentive
- Administrative

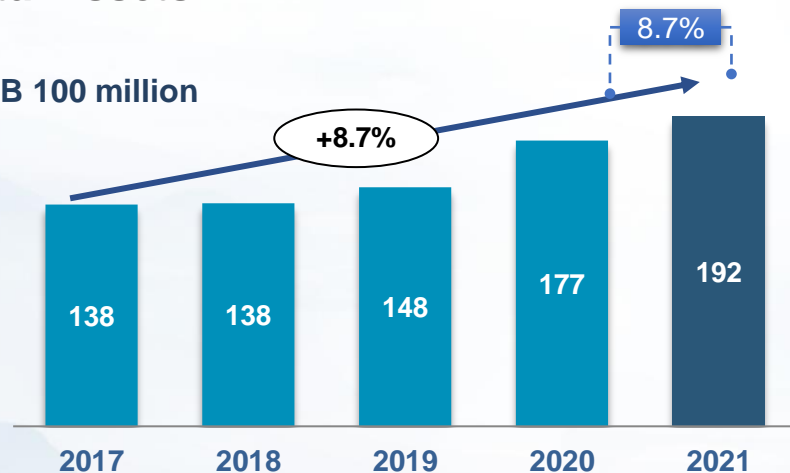
AE Ratio (%)	8.4	6.9	12.7	8.1	5.8
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Total Assets & Net Assets Increased, Debt Asset Ratio Declined



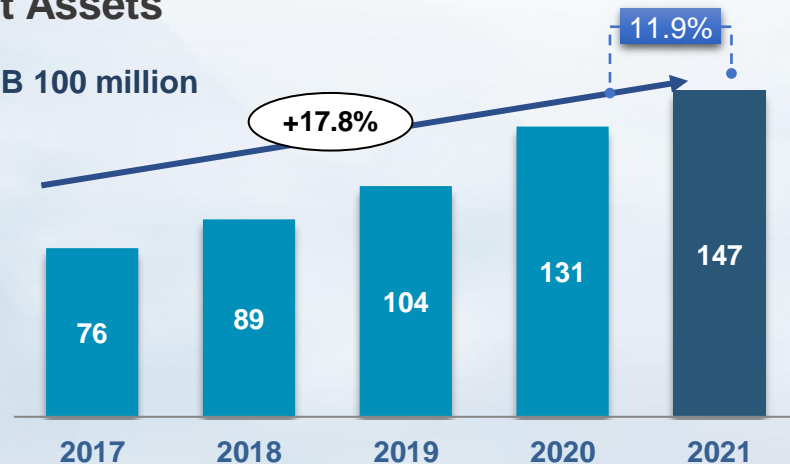
Total Assets

RMB 100 million

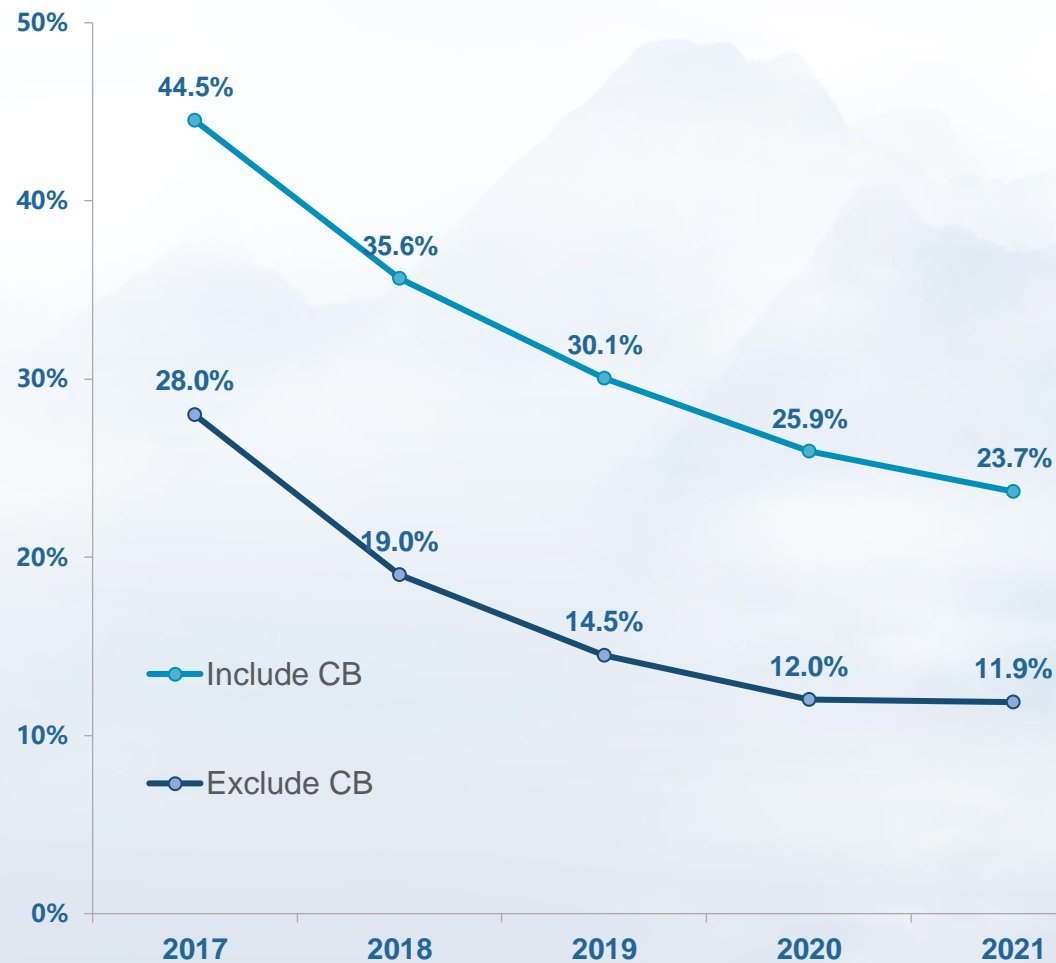


Net Assets

RMB 100 million



Debt Asset Ratio

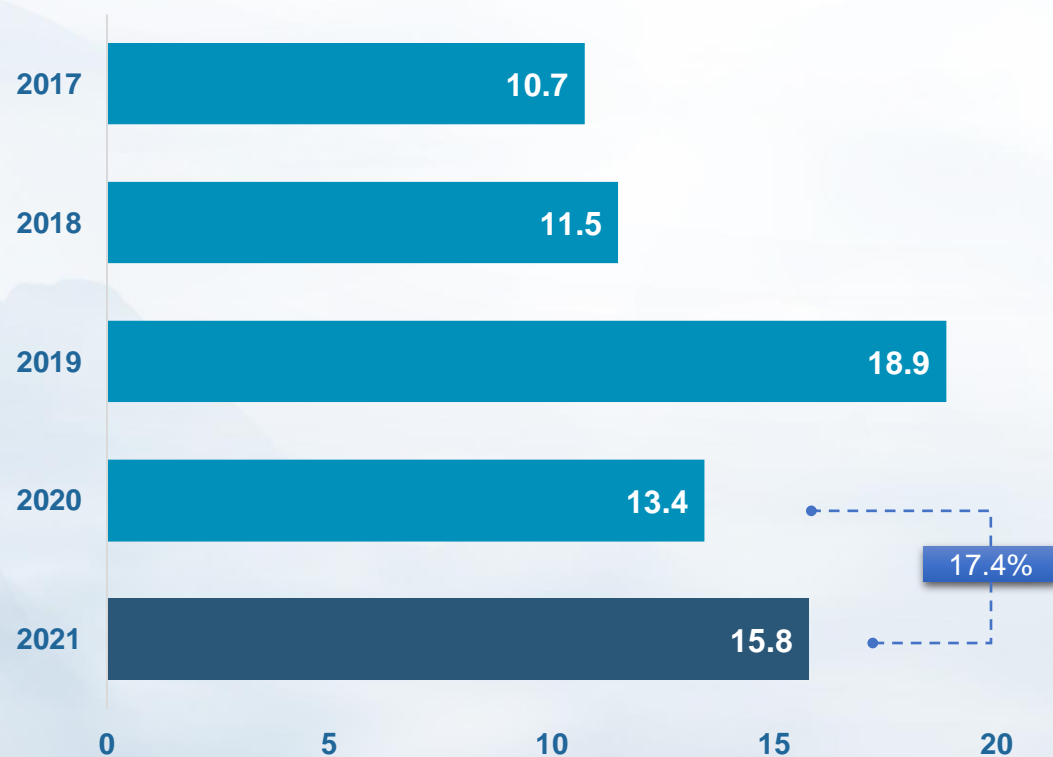


Sublime CF condition, Sufficient FCF



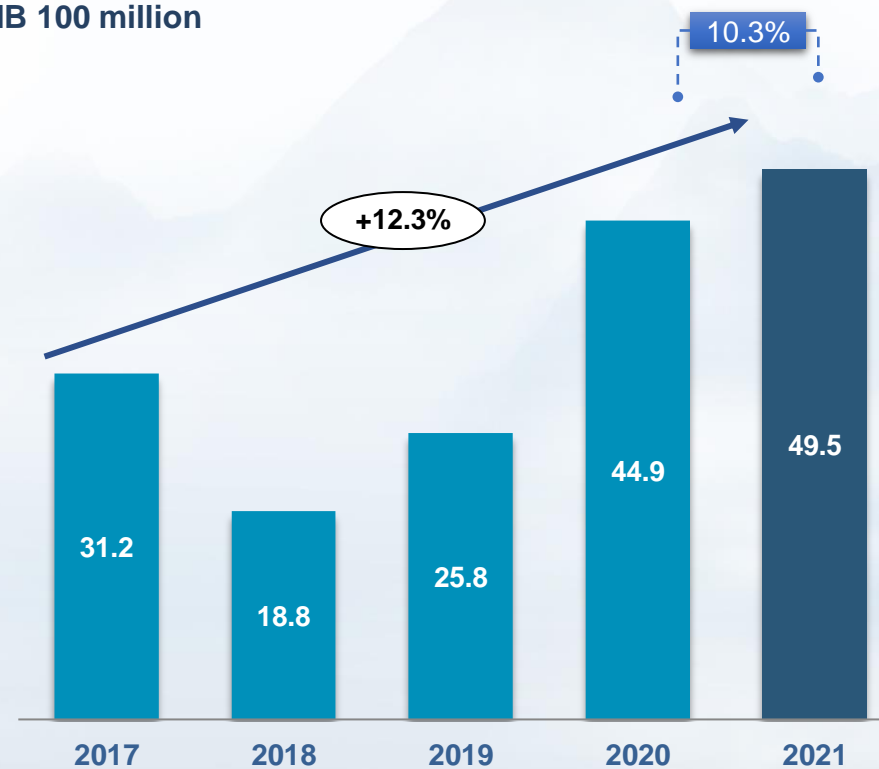
OCF

RMB 100 million



Cash Equivalents (Financing Proceeds Included)

RMB 100 million

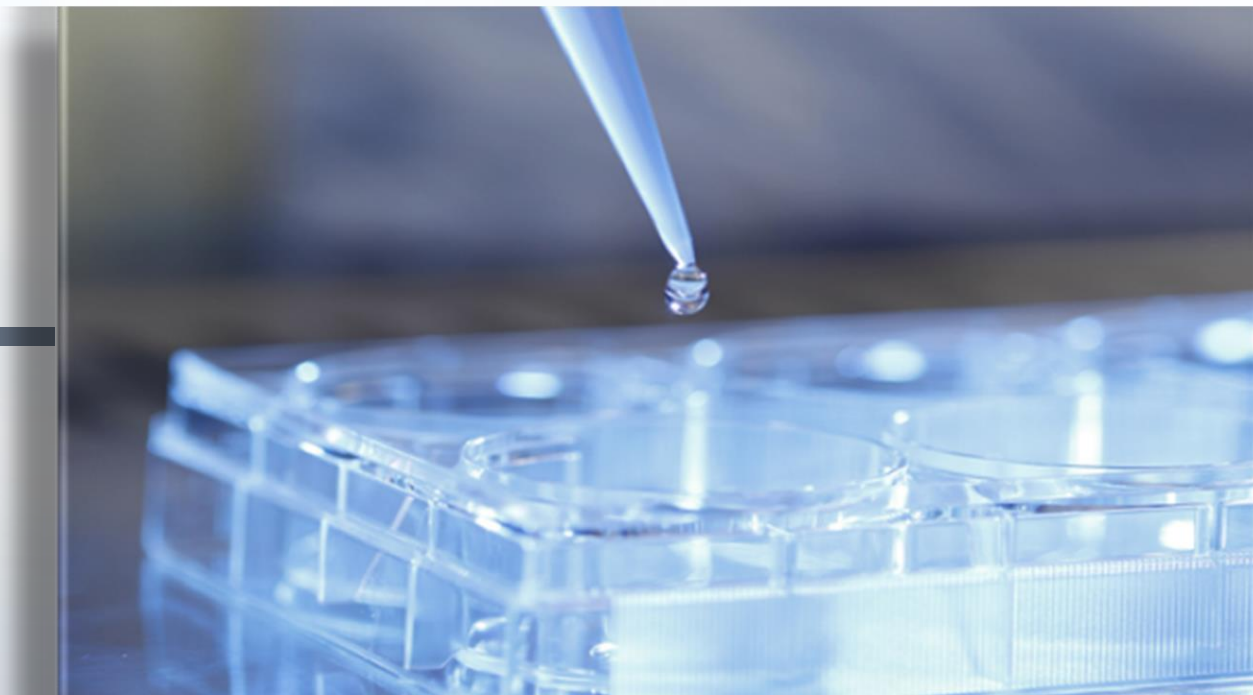




05

Q&A

Management





THANKS

3SBio Inc. (1530.HK)
Investor Relations
ir@3sbio.com

珍爱生命 · 关注生存 · 创造生活
CHERISH LIFE CARE FOR LIFE CREATE LIFE