

A large, abstract graphic on the left side of the slide, composed of numerous overlapping, wavy blue lines that form a complex, organic shape resembling a stylized flower or a molecular structure. The lines are more densely packed in the center and become more sparse towards the edges.

Innovative Science Affordable Medicine

J.P. Morgan Health Conference January 10, 2011

Kiran Mazumdar-Shaw

Certain statements in this presentation concerning our future growth prospects are forward-looking statements, which are subject to a number of risks, uncertainties and assumptions that could cause actual results to differ materially from those contemplated in such forward-looking statements. Important factors that could cause actual results to differ materially from our expectations include, amongst others general economic and business conditions in India, our ability to successfully implement our strategy, our research and development efforts, our growth and expansion plans and technological changes, changes in the value of the Rupee and other currency changes, changes in the Indian and international interest rates, change in laws and regulations that apply to the Indian and global biotechnology and pharmaceuticals industries, increasing competition in and the conditions of the Indian biotechnology and pharmaceuticals industries, changes in political conditions in India and changes in the foreign exchange control regulations in India. Neither our company, nor our directors, nor any of their respective affiliates have any obligation to update or otherwise revise any statements reflecting circumstances arising after this date or to reflect the occurrence of underlying events, even if the underlying assumptions do not come to fruition. Statements on Strategy or on Direction of policy should not be construed as events which require prior notification to Indian Regulatory Authorities. Such events will crystallize only once full regulatory steps have been taken in India.

To be a global Biopharmaceutical

enterprise committed to delivering

affordable products and services for patients,

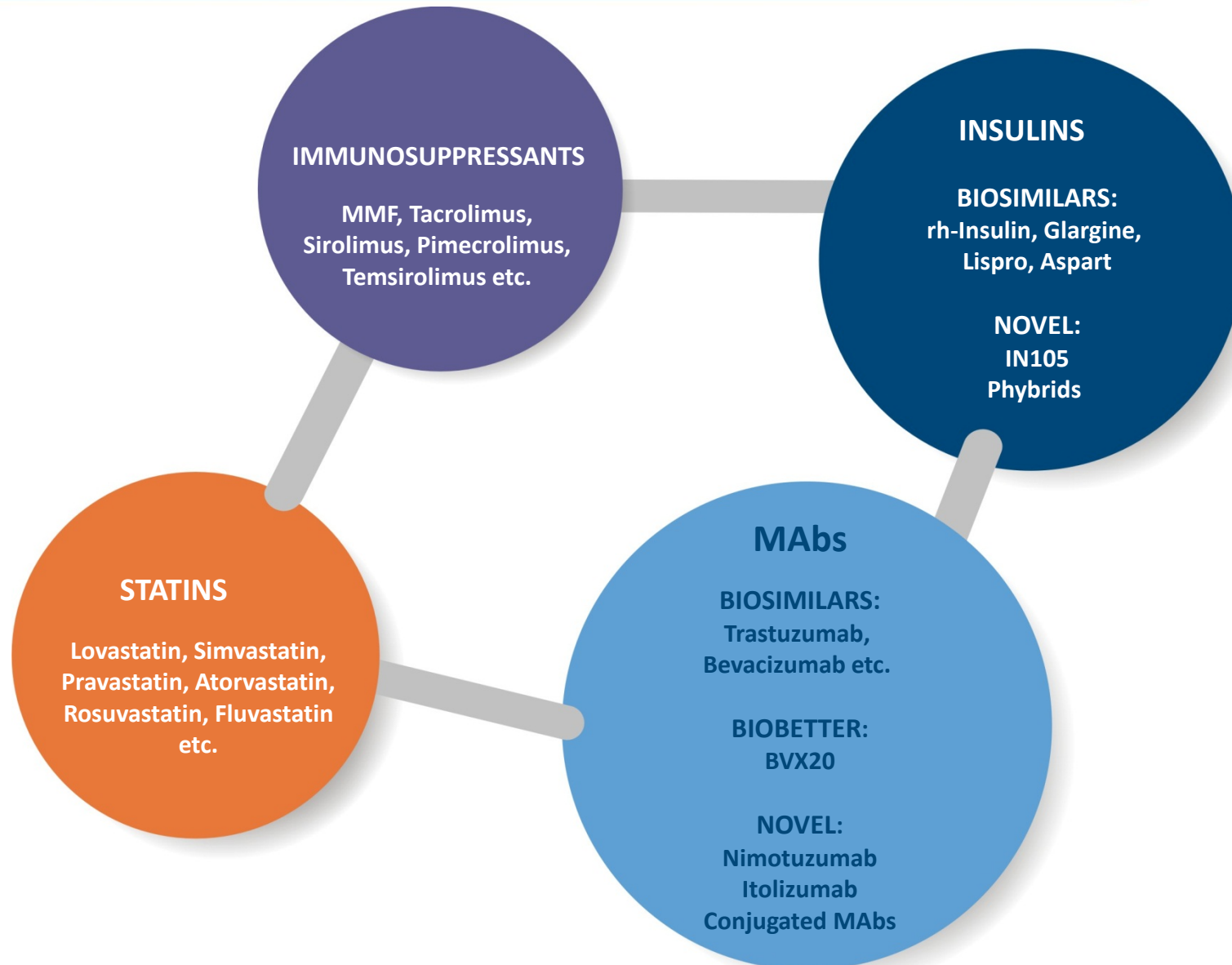
partners and healthcare systems across the world.

Reduce therapy costs
of chronic diseases
with **Generics &
Biosimilars**

Seek research
and marketing
partnerships
that provide **global access**

Leverage India's
cost & clinical base
to deliver **high value,
licensable R&D
assets**

PRODUCT PIPELINE - A PORTFOLIO APPROACH



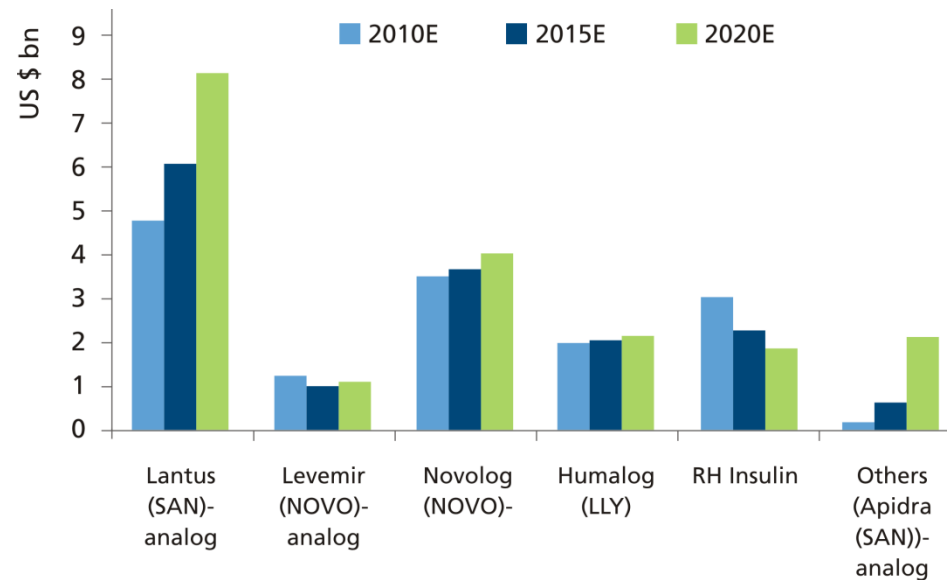
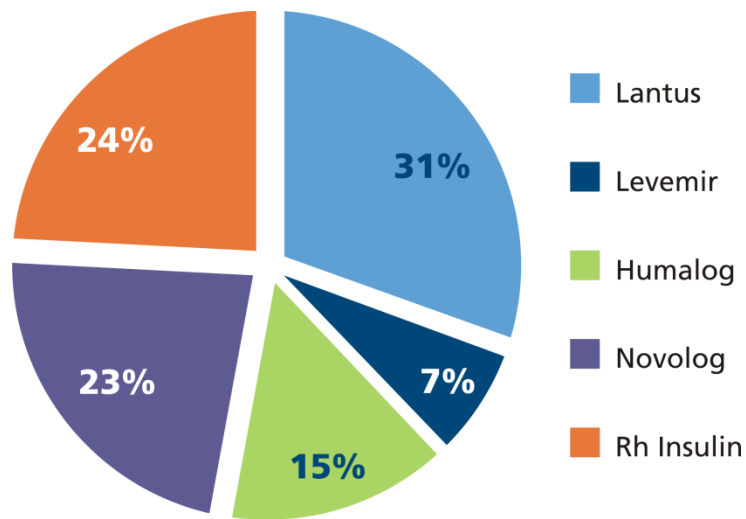
DISEASE	PRODUCTS	CATEGORY	PARTNER
DIABETES	INSULIN + ANALOGS	BIOSIMILAR	PFIZER
DIABETES	PHYBRIDS	NOVEL	AMYLIN
ONCOLOGY & IMMUNE DISORDERS	MAbs	BIOSIMILAR	MYLAN
ONCOLOGY & IMMUNE DISORDERS	ITOLIZUMAB BVX 20 Cancer Vaccines	NOVEL NOVEL NOVEL	CIM VACCINEX IATRICa

TOTAL INSULIN MARKET 2009

Total 2009 Insulin Market USD ~13 bn



~ USD 20 bn in 2020



Growth forecast of ~6% per annum*

Biocon's ranking in the Indian Market:

#20 in the OAD market

#3 in the rh-Insulin market

#2 in the Glargine market

The 2007-2010 CAGR figures for unit sales of Insulin 40 IU:

Market: **10.6%**

Biocon: **12.7%**

NN: **9.3%**

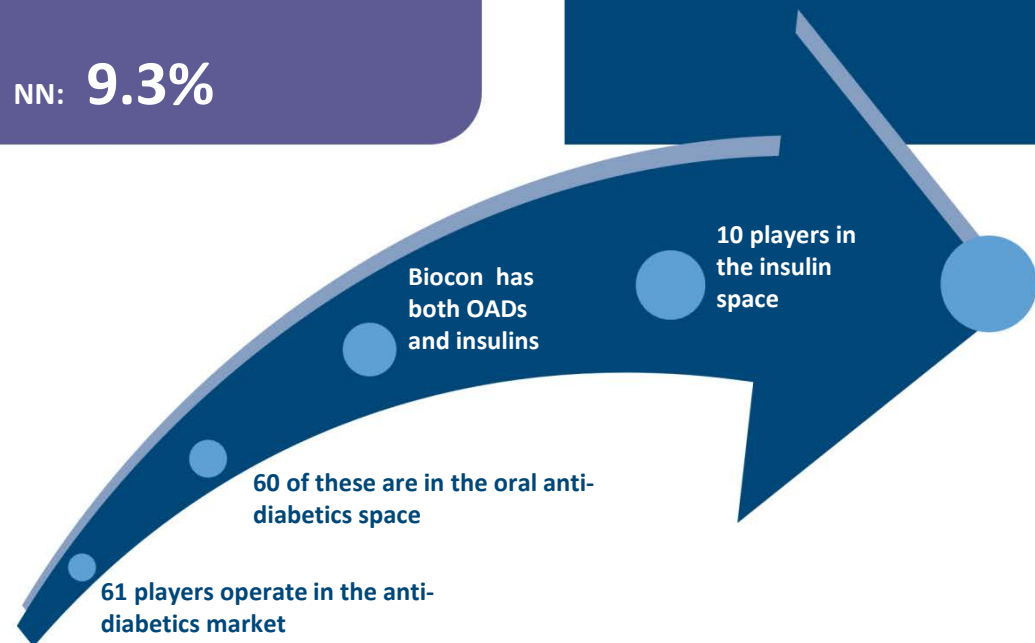
Biocon's market share by volume:

rh-Insulin: **10.8%**

Glargine: **13.2%**

Source : IMS HEALTH – HAS+SSA DATA – SEPT-MAT 10

Pens will be introduced in H2 2011



High Potential Novel Pipeline

Product	Areas	Names	Discovery	Preclinical	Phase I	Phase II	Phase III	Market	
Novel Molecules	Diabetes	IN105 (Oral Insulin)	[Progress bar]					*	
	Oncology / Auto immune	Itolizumab (Anti CD6 mAb)	[Progress bar]					*	
	Oncology	Nimotuzumab (Anti EGFR mAb)	[Progress bar]						
	Oncology	BVX 20 (Anti CD20 mAb)	[Progress bar]						
	Diabetes	Hybrid Peptide	[Progress bar]						
	Oncology	Fusion mAbs (Tumour Vaccines)	[Progress bar]						

* Proof of Concept Phase III trials

Efficacy

- HbA1c drop upto 0.8% from baseline observed in drug arm
- Greater than expected placebo effect observed
- Significant drug effect in several subsets
- Statistically significant reduction in PPG throughout trial
- Frequent SMBG likely to have influenced placebo effect

Safety

- Excellent overall safety profile
- No clinically relevant hypoglycemia observed
- Data indicates drug is not immunogenic
- Data indicates drug is weight neutral

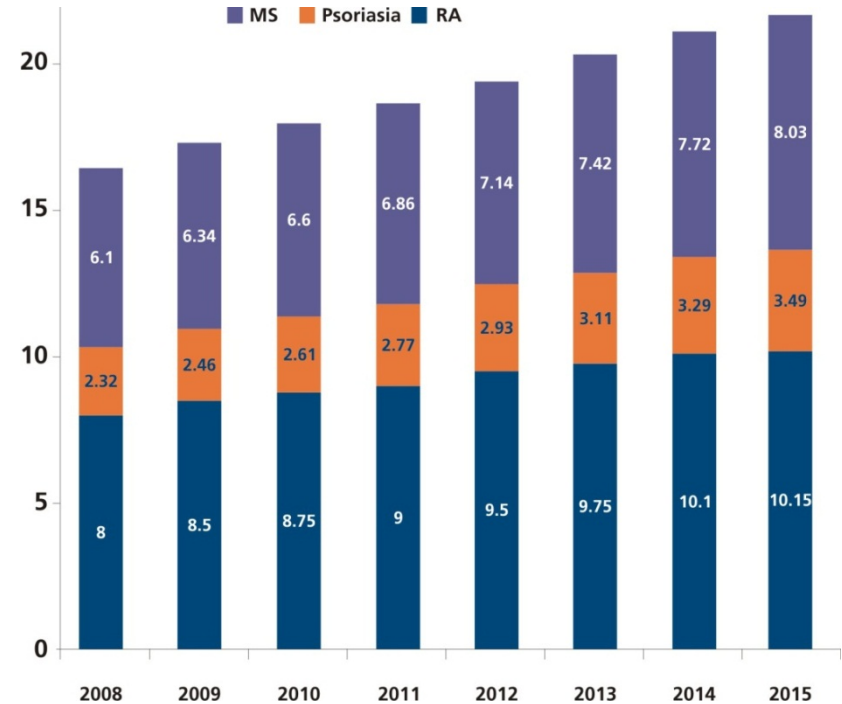
Studies

- Further studies under US IND on Type I Diabetes ongoing
- Further studies to be conducted post partnering

- **Itolizumab** is an immune-modulating Anti-CD6 antibody
- CD6 is Predominantly expressed by T cells & a B cell subset.

Potential for CD6 targeting:

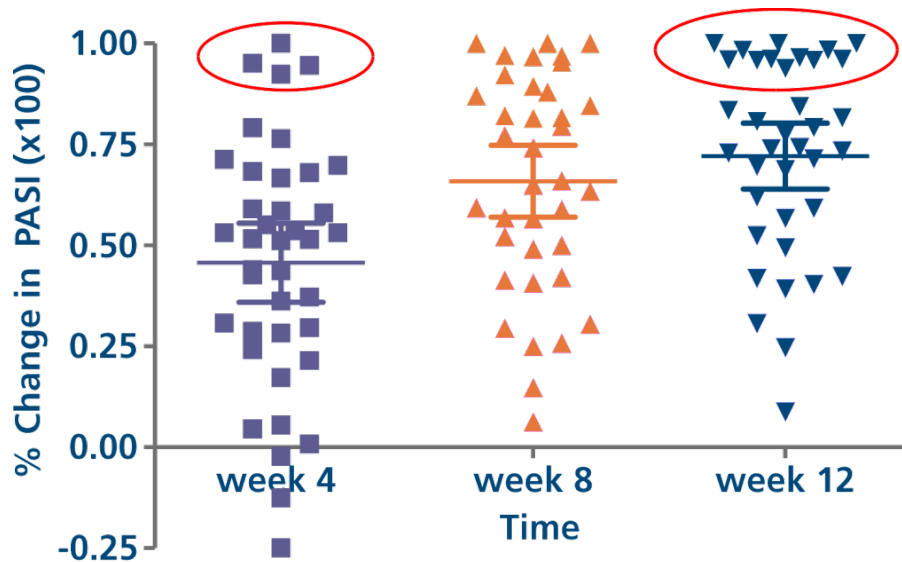
- Chronic Plaque Psoriasis (on-going)
- Rheumatoid Arthritis (on-going)
- Psoriatic arthritis
- Multiple sclerosis



RA, MS & PSORIASIS MARKET TO EXCEED \$20 BN BY 2015*

* Datamonitor

Mean PASI improved by almost **50%** at week 4 and **75%** by week 12 in the overall study



PASI Improvement

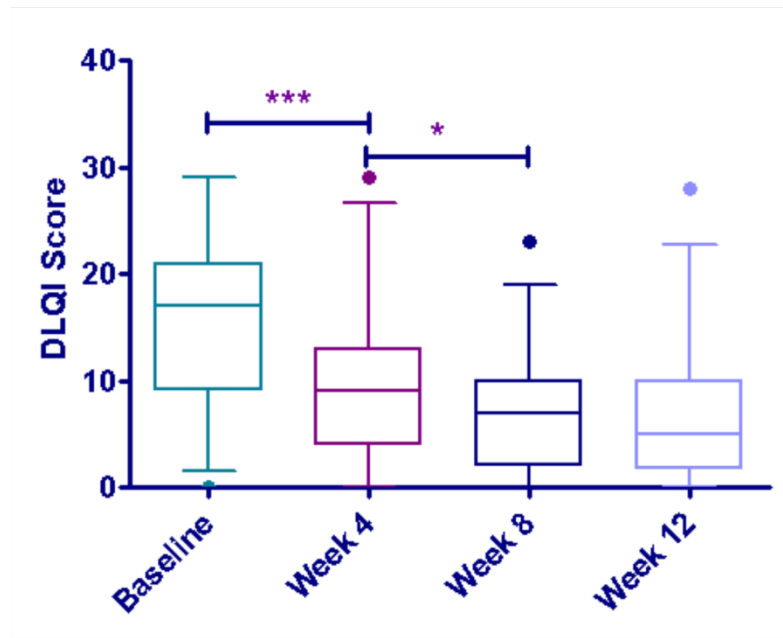
	At Week 8 N(%)	At Week 12 N(%)
PASI 50	27 (67.50 %)	29 (72.50 %)
PASI 75	17 (42.50 %)	18 (45.00 %)
PASI 90	8 (20.00 %)	12 (30.00 %)
PASI 100	3 (7.50 %)	3 (7.50 %)

Itolizumab: SIGNIFICANT CHANGE IN QoL OBSERVED

SF36

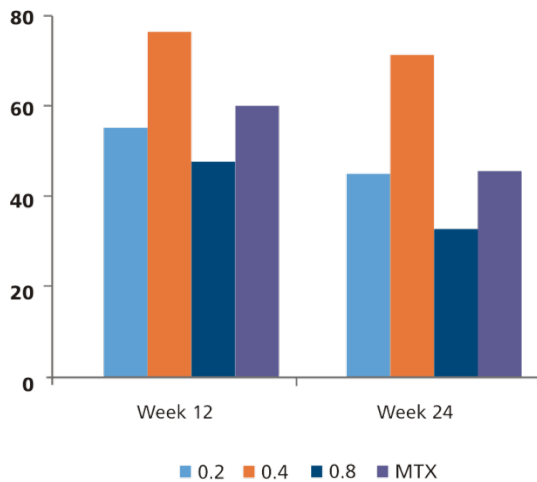
SF-36 Parameters	Mean Scores at Visits		P-Value
	Baseline	Week 12	
PCS	39.23	46.69	0.000
Physical Function	38.14	46.04	<.0001
Role Physical	37.69	45.76	0.003
Bodily Pain	36.61	45.80	0.000
General Health	37.56	43.85	0.011
MCS	38.18	44.97	0.000
Mental Health	36.28	45.47	<.0001
Role Emotional	34.99	41.84	0.028
Social Function	36.26	42.31	0.008
Vitality	47.10	53.56	<.0001

DLQI

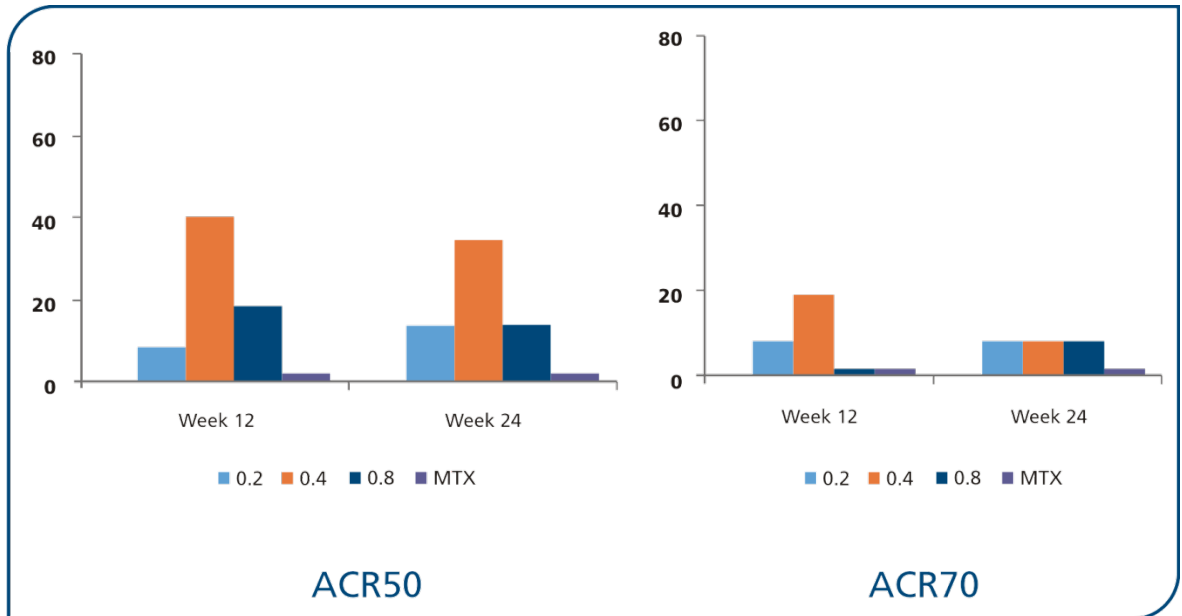


Note: P-Value is generated using paired t test

0.4mg/kg weekly dosing of *Itolizumab* induced ACR50 response in **37% of the patients - Full Analysis Set(FAS)**



ACR20



ACR50

ACR70

None of the patients in the MTX arm achieved an ACR50 or ACR70 response

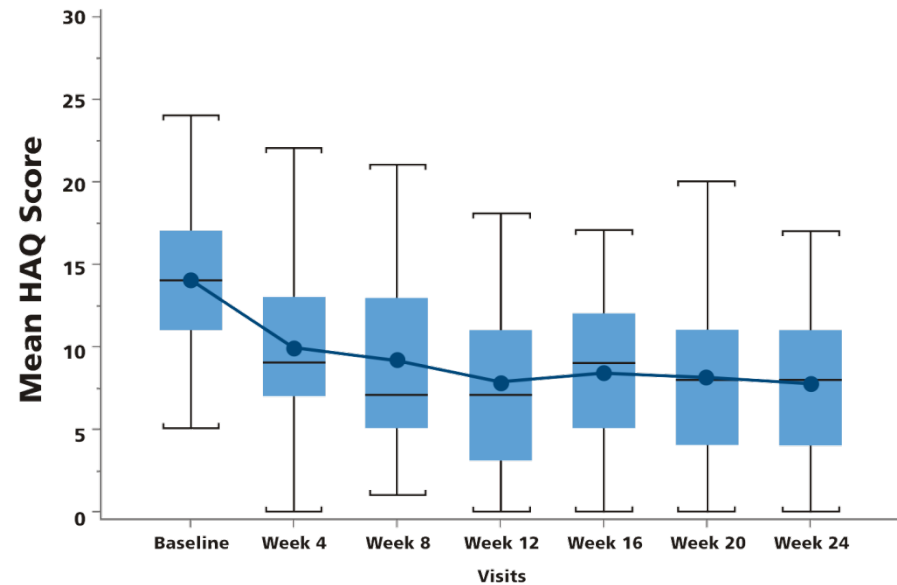
Itolizumab: SIGNIFICANT IMPROVEMENT IN QoL & DISABILITY

SF36

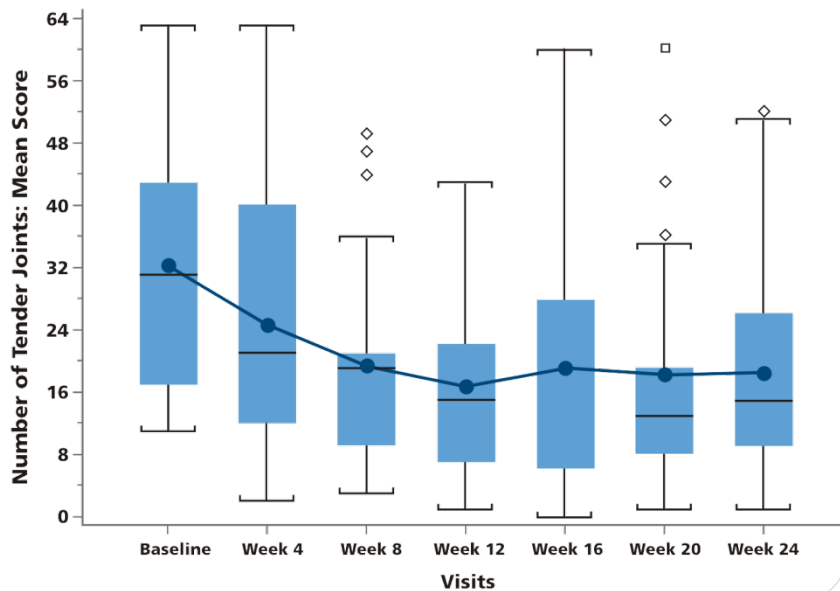
SF-36 Parameters	Mean Scores at Visits		P-Value
	Baseline	Week 12	
PCS	34.1 ± 6.7	39.9 ± 8.0	0.0001
Physical Function	31.8 ± 11.1	37.4 ± 11.3	0.0062
Role Physical	34.4 ± 8.7	38.9 ± 8.3	0.083
Bodily Pain	32.3 ± 8.7	40.6 ± 8.6	<.0001
General Health	31.5 ± 9.0	38.6 ± 8.7	0.0002
MCS	34.6 ± 8.2	39.9 ± 7.8	0.0008
Mental Health	33.5 ± 10.5	39.7 ± 8.9	0.0011
Role Emotional	29.1 ± 11.6	36.0 ± 9.6	0.003
Social Function	33.1 ± 10.6	37.5 ± 9.4	0.0049
Vitality	42.0 ± 7.5	45.8 ± 8.0	0.0005

Note: P-Value is generated using paired t test

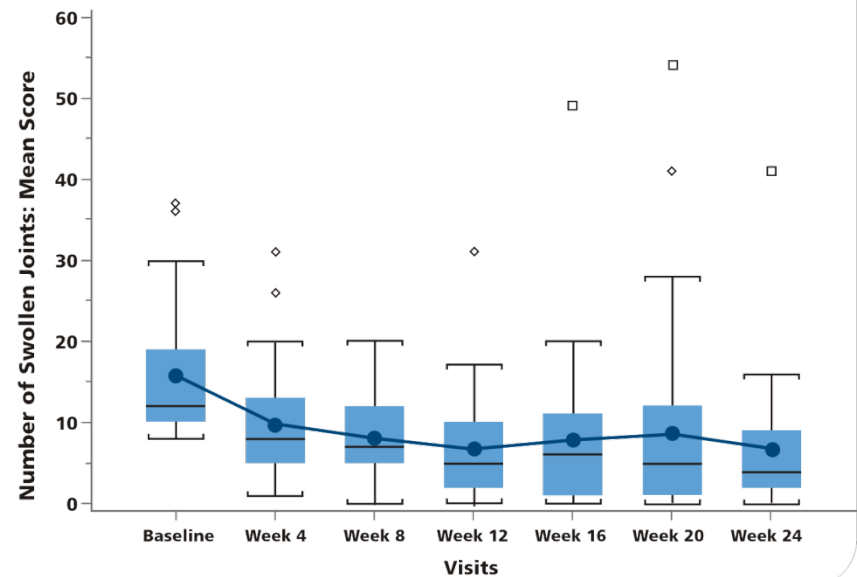
HAQ (i)



TENDER JOINT COUNT



SWOLLEN JOINT COUNT



Significant improvement sustained over 24 weeks

Itolizumab: COMPARISON OF TRIALS – DMARD FAILURES

Trial Metrics	Itolizumab	Abatacept	anti-TNFs	Tocilizumab
Previous lines of DMARD therapy	1.35	NR	1.4-1.9	1.4
Duration of disease	~ 5 yrs	8.5 yrs	7-9 yrs	7 yrs
Effective dose	0.4mg/kg	~ 10mg/kg	80-200mg/wk	8mg/kg
Median dose of Methotrexate	~ 14.5	16.1	~ 15	14.5
DAS28 - CRP baseline	~ 6	6.4	~ 5.8	6.7
ACR50 @ 12 w	~ 37%	32%	~ 35%	~ 30%
HAQ change from baseline @ 12 weeks	0.84	0.45	0.4	0.55
Percent of patients with at least 1 AE	70%	75%	60-80%	72%
Infusion reactions	~ 15%	9%	12-37%	~ 8%
Infections	10.50%	54%	35%	~ 35%
Serious infections	< 5%	7.2	~ 5	~ 4

- Low infection rates is a key differentiator
- Low dose allows a lower therapy cost

Itolizumab: CLINICAL PLAN 2011/2012

Registration trials in 2011-12	Year Activity	2011				2012			
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Itolizumab Phase III Psoriasis	Trial conduct	Orange	Orange	Orange	Orange	Grey	Grey	Grey	Grey
(Status: accrual complete)	Primary end point	Light Blue	Grey	Grey	Grey	Grey	Grey	Grey	Grey
N: 213 evaluable, 250 randomized	Analysis and report	Grey	Dark Blue	Grey	Grey	Grey	Grey	Grey	Grey
Double blind	India Registration	Grey	Grey	Apply	Grey	Grey	Grey	Grey	Grey
Randomized controlled trial	USFDA pre-IND advice	Grey	Grey	Green (circled)	Grey	Grey	Grey	Grey	Grey
Itolizumab Phase III RA	India CTA filing and approval	Dark Blue	Grey	Grey	Grey	Grey	Grey	Grey	Grey
(Status: CTA filed)	Trial conduct	Grey	Orange	Orange	Orange	Orange	Grey	Grey	Grey
N=332 evaluable, 360 randomized	Primary end point	Grey	Grey	Grey	Grey	Grey	Light Blue	Grey	Grey
Double blind	India Registration	Grey	Grey	Grey	Grey	Grey	Grey	Apply	Grey
Randomized controlled trial	USFDA IND	Grey	Grey	Grey	Grey	Green (circled)	Grey	Grey	Grey

Functional Activity	Rituximab	BVX20
Monoclonal antibody Isotype	Chimeric IgG1	Humanized IgG1
Epitope in CD20 antigen	Similar or overlapping epitope to Rituximab	
Complement dependent cytotoxicity (CDC)	Lower	Off rate CDC activity higher than Rituximab*
Antibody dependent cell mediated cytotoxicity (ADCC)	Similar to Rituximab	

*** Potentially indicative of lower dose and higher efficacy in CLL**

Phase I/II trial : BVX20 + Relapse/Refractory NHL

Weekly therapy for 4 weeks on
~ **50** pts

Primary endpoint: safety;
F/u for **2** years

PK on first and last dose

Multi-centric study: First
patient dosing:
Q1 2011

US-IND : **Q3 2011**

Biosimilar Insulins

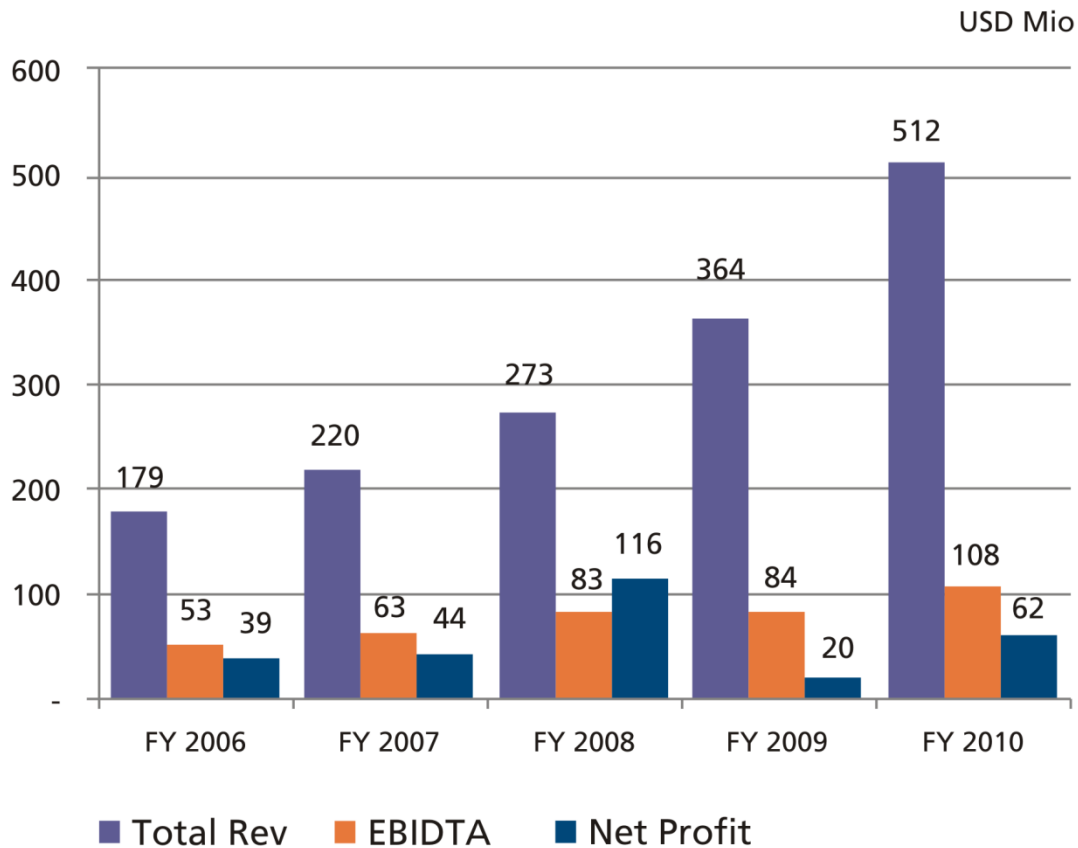
- Current EM ~\$1.5 billion
- 5 year CAGR 15%
- EM estimated to be a \$5 billion Insulins market by 2020
- Emerging Markets account for 70% of world's Diabetic Population
- Lower regulatory barriers offer faster market entry

Biosimilar mAbs

- Current market size estimated at \$1.5 billion
- Estimated to be a \$2.6 billion market by 2016

Generics

- 50% of European prescriptions, 75% of US prescriptions
- Generics growth outlook robust over next 6 years (\$185 bn patent cliff)
- 3-year CAGR (2007-10) at 11%. Global Pharma at 5.5% CAGR
- APAC accounts for 16% of \$124 bn generics mkt with fastest growth



5 year average

EBITDA Margin **27%**

5 year average

PAT Margin **20%**

Equity

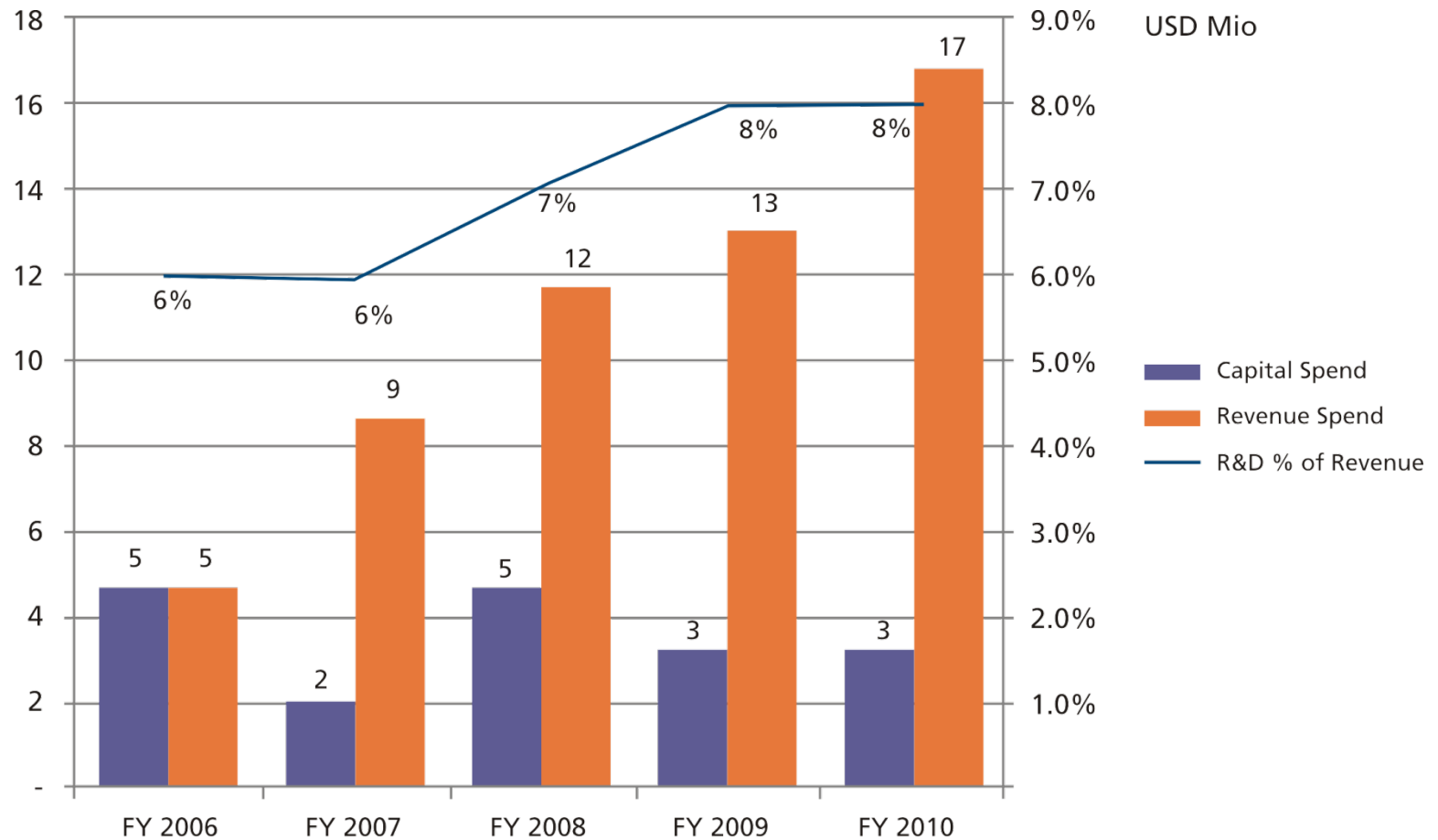
\$426 M

Net Debt

\$ 4 M

Balance sheet as of 30.09.2010

SELF FINANCED R&D

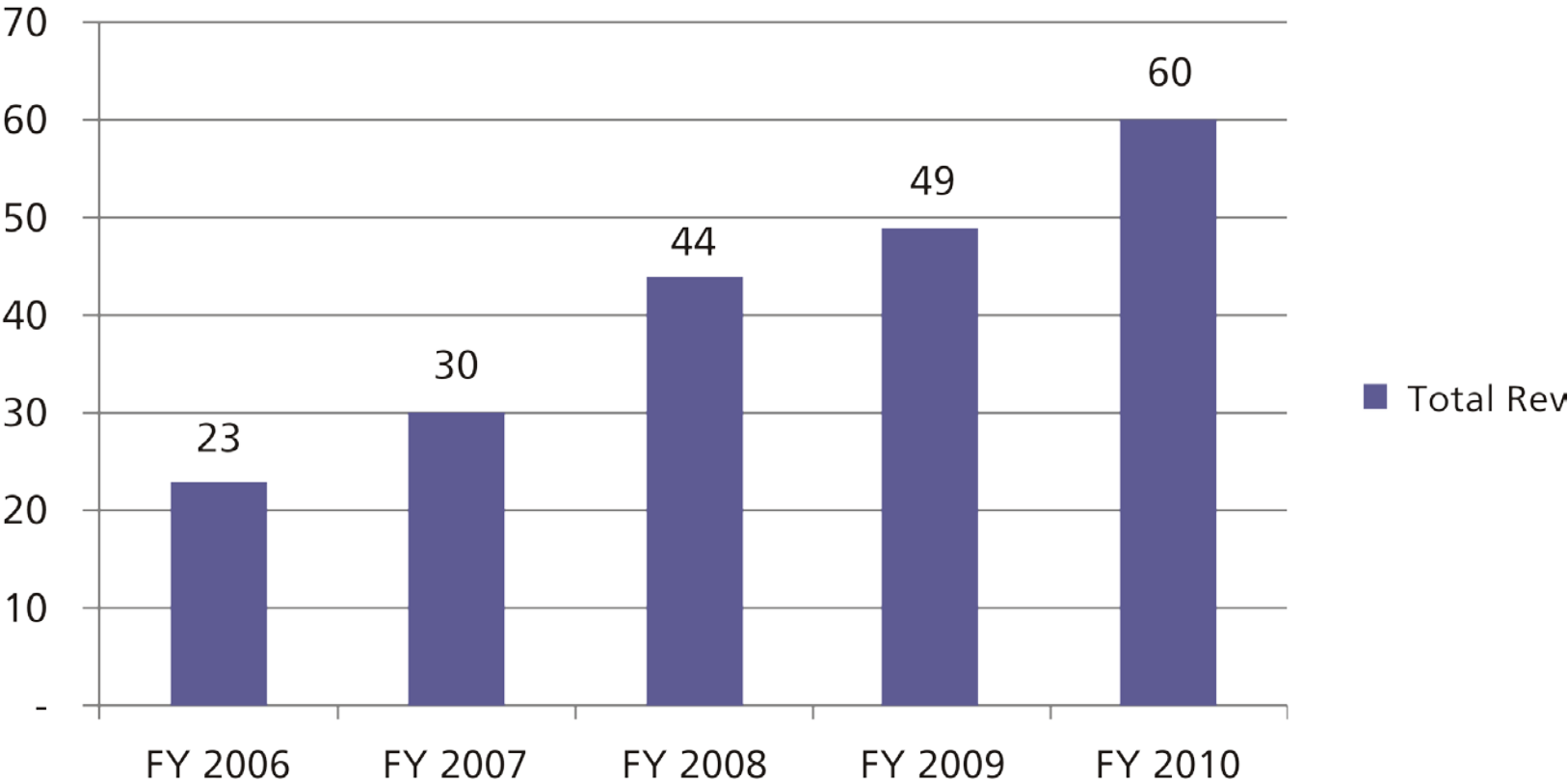


Biocon amongst **Top 10** Pharma R&D spenders in India - Economic Times

Fiscal year average exchange rates used

Top line 5 year Revenue CAGR of **21%**

USD Mio



Fiscal year average exchange rates used

Dynamic and Favorable Macro Environment for Research Services

Externalization a key driver as Pharma & Biotech R&D is reinventing itself

Move from component to integrated programs

Chemistry to Biologics

FTE to Preferred Supplier to Strategic Development Partner

Cost/time productivity arbitrage to innovation and value addition

Expanding Biologics pipelines within Big Pharma far exceeding internal capacity

BIOLOGICS: Constitute >25% of drug pipelines. In-licensing from small Biotechs accounts for 35% of Biologics in development.

Syngene / Clinigene well placed to address these opportunities

Integrated Platform offering end-to-end solutions for NCE & NBE

Increasing focus on long term strategic partnerships vs. transaction based model

Development capabilities for biologics include scale-up & bioanalytics

Flexible service models including FTE/FFS, Co-development and Risk Sharing

Strong infrastructure in early clinical development and translational medicine

Clinical experience in novel Biologics supported by Phase I unit

BBRC: A new paradigm in externalized R&D pioneered by BMS at Syngene. A dedicated, integrated R&D hub pursuing pipeline development with 450 researchers.

EMERGING MARKETS

BIOSIMILAR INSULINS: PFIZER

BIOSIMILAR mAbs: EMERGING MARKETS

LICENSING OF NOVEL PROGRAMS: IN105, *Itolizumab*

RESEARCH SERVICES: Syngene & Clinigene

STATINS, IMMUNO-SUPPRESSANTS, PROSTs: APIs & ANDA Dossiers



Thank You