



Roche Roche Group

Overview of Development Pipeline

CHUGAI PHARMACEUTICAL CO., LTD.
Senior Vice President
Head of Lifecycle Management Marketing Unit
Tatsuro Kosaka

July 23/24, 2009



Projects under Development (as of July 23, 2009)

	Phase I	Phase II	Phase III	Filed
Oncology	<p>TP300 - CRC CIF/R7167 - solid tumor CKI27/R7304 - solid tumor GC33 - liver cancer R7159/GA101 - NHL R1507(hIGF-1R) - solid tumor</p>	<p>MRA/Actemra - MM R435/Avastin - BC R1415/Tarceva - PC</p>	<p>EPOCH/Epogin - CIA R340/Xeloda - GC R435/Avastin - aCC - GC - aBC - Glioblastoma★ R597/Herceptin - GC R1273/pertuzumab - BC</p>	<p>R340/Xeloda - CRC R435/Avastin - NSCLC</p>
Bone & Joint		<p>MRA/Actemra - RA(sc) R484/Bonviva(oral) - osteoporosis</p>	<p>MRA/Actemra (overseas) - sJIA ED-71 - osteoporosis R1594/ocrelizumab - RA R484/Bonviva(inj) - osteoporosis</p>	<p>MRA/Actemra – RA (US)</p>
Renal				<p>R744/Mircera - renal anemia★</p>
Others	<p>NA808 - HCV MRA/Actemra (overseas) - Castleman's disease MRA/Actemra - SLE R1579/(DPPIV) - diabetes</p>	<p>CSG452/R7201 - diabetes GM-611 - gastroparesis MRA/Actemra - Crohn's disease R1583(GLP-1) - diabetes★ R1678/(GlyT-1) - schizophrenia</p>	<p>R442/Pegasys - HBV R442+R964/Pegasys + Copegus - cirrhosis</p>	<p>EPOCH/Epogin - autologous blood transfusion</p>

Letters in purple: in-house projects
 ★ Projects with advances in stages since Apr 24, 2009

Development Status – Oncology (1)

In-house

Epogin (epoetin beta)

Chemotherapy-induced anemia: primary endpoint achieved in phase 3 trial

- ➔ Theoretical transfusion rate significantly reduced
- ➔ Plan to file for approval with the phase 3 data by end of 2009

In-house

TP300 (topoisomerase I inhibitor)

Solid tumor: phase 1 status overseas, phase 1 data presented at ASCO

Development Status – Oncology (2)

Roche
Product

Avastin (bevacizumab)

Non-small cell lung cancer: filed in November 2008, review on-going

- ➔ Filed with domestic phase 2 data & overseas phase 3 data
- ➔ Designated for a priority review

Breast cancer: plan to file by end of 2009

- ➔ To be filed with with domestic phase 2 data & overseas phase 3 data

Adjuvant colon cancer: global AVANT study on-going

- ➔ US C-08 study did not meet the primary endpoint
- ➔ Results expected in 2010 for AVANT study

Glioblastoma: decided to join the global phase 3 study

- ➔ First patient dosing expected by end of 2009 in Japan

Development Status – Oncology (3)

Roche
Product

Tarceva (erlotinib)

Pancreatic cancer: To be filed by end of 2009 with domestic phase 2 data & overseas phase 3 data

Roche
Product

Herceptin (trastuzumab)

Gastric cancer: positive results from ToGA study

- ➔ ToGA results presented at ASCO (primary endpoint achieved)
- ➔ Plan to file for approval in 2010

Roche
Product

Xeloda (capecitabine)

Colorectal cancer: filed in February 2008, review on-going

Gastric cancer: comadministered in ToGA and AVAGAST studies

- ➔ Combination with Herceptin (ToGA) or Avastin (AVAGAST)
- ➔ Plan to file in 2010 and 2011, with above studies

Development Status – Bone & Joints

In-house

Actemra (tocilizumab)

Rheumatoid Arthritis: Good results also for 2 year analysis of LITHE

- ➔ 2 year data of LITHE demonstrated continued inhibition of structural joint damage and high remission rate observed in 1 year analysis
- ➔ Data presented at EULAR
 - Long term extension studies, GROWTH95&96 data demonstrates up to 56% remission in more than 2 years treatment, regardless of previous treatment or duration of disease
 - 1 year data from LITHE demonstrates inhibition of structural joint damage and high remission rate

In-house

ED-71 (eldecalcitol)

Active Vitamin D3 Derivative; co-development with Taisho Pharmaceutical

Osteoporosis: To be file by end of 2009 with positive phase 3 data

- ➔ Significantly reduced the incidence of new vertebral fractures

Development Status – Renal & Others

Roche
Product

C.E.R.A. (continuous erythropoetin receptor activator)

Renal anemia: Filed in July 2009

➔ Filed for anemia in hemo-dialysis, peritoneal-dialysis and pre-dialysis patients, utilizing data from six domestic phase 3 studies

Roche
Product

R1583/ITM-077 (taspoglutide)

GLP-1 analogue; co-development with Teijin

Type II diabetes: started domestic phase 2 study

Roche
Product

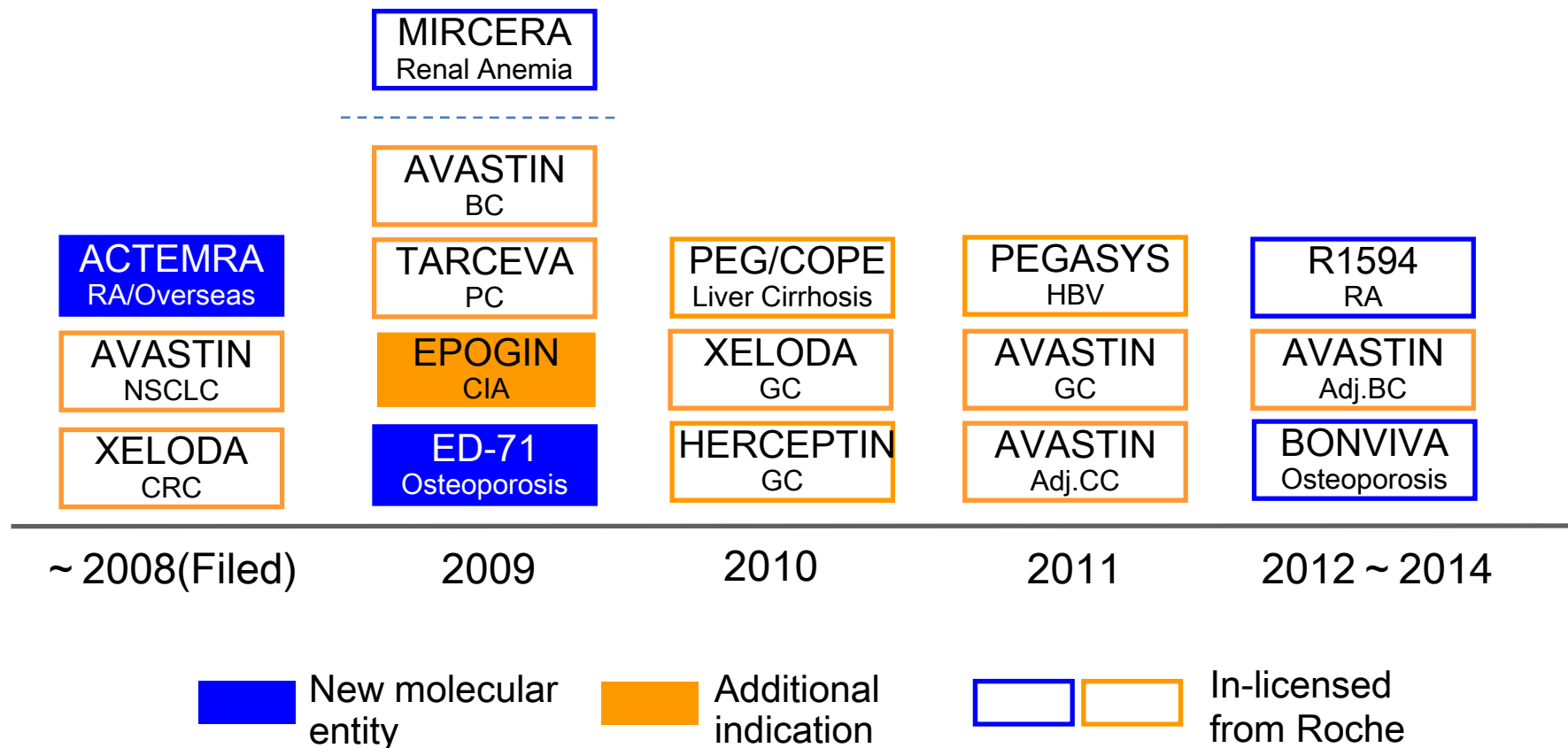
Tamiflu Dry Syrup 3%

Anti-influenza virus: partial amendment approved in July 2009

➔ Shelf-life extended to three years from previous two years; change in site of manufacturing

Projected Submissions

Filings planned each year



Contacts:

Corporate Communications Group

Tel: +81 (0)3-3273-0881 Fax: +81 (0)3-3281-6607
e-mail: pr@chugai-pharm.co.jp

Masayuki Yamada, Seiji Shimada, Hiroshi Araki

Investor Relations Group

Tel: +81 (0)3-3273-0554 Fax: +81 (0)3-3281-6607
e-mail: ir@chugai-pharm.co.jp

Mac Uchida, Kae Maeda, Tomoko Shimizu, Yusuke Tokita