



Update on Doria® regulatory processes

MARCH 2021

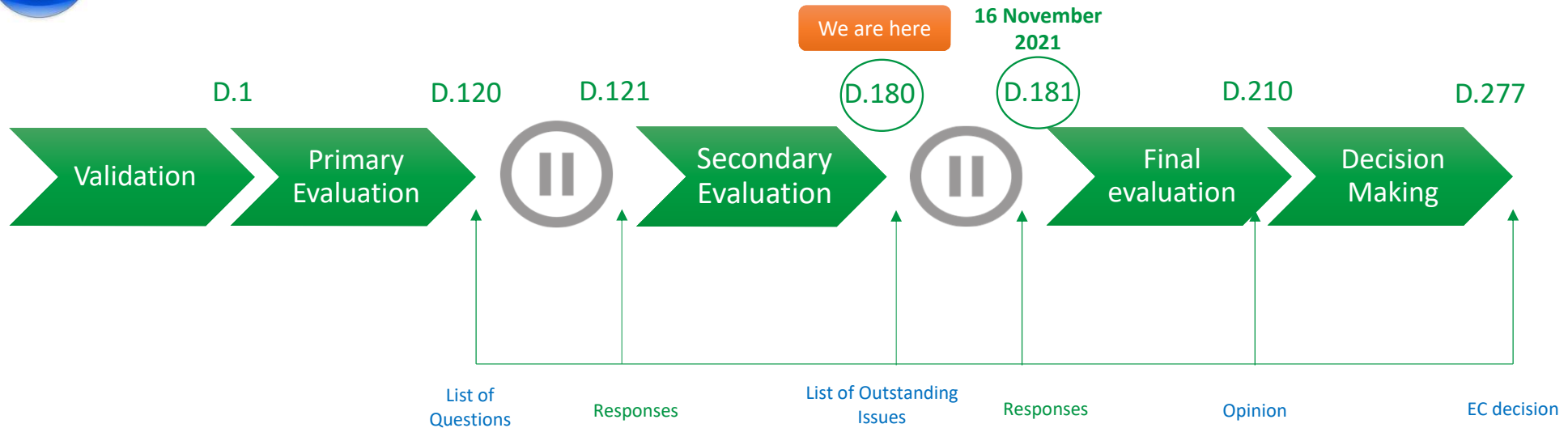


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# European regulatory process – Where we are?



**ROVI requests a clock-stop to answer a major objection: Repeat BORIS<sup>1</sup> study with European reference product**

- ✓ Objective: repetition of BORIS<sup>1</sup> study using Risperdal<sup>®2</sup> marketed in EU
- ✓ BORIS<sup>1</sup> study is a clinical trial which compares the pharmacokinetics of Doria<sup>®</sup> vs oral risperidone medicine, Risperdal<sup>®</sup>. Risperdal<sup>®2</sup> marketed in USA was used in the BORIS<sup>1</sup> study.
- ✓ ROVI expected the trial using Risperdal<sup>®2</sup> marketed in USA to be valid for Europe as Risperdal<sup>®2</sup> marketed in USA and Risperdal<sup>®2</sup> marketed in EU can be considered bioequivalents based on the in vitro and in vivo studies conducted by ROVI
- ✓ A second major objection was received to avoid issues related to the potential lack of flexibility when starting with a long-acting formulation. It is expected to be solved with proposed changes in Product Information.
- ✓ Other non-major concerns pending to be answered in D181.

- Limited clinical risk
- Cost of around €6Mn
- Clock-stop for D181 response granted by CHMP<sup>3</sup>: New information to be provided in November 2021

1. <https://clinicaltrials.gov/ct2/show/NCT03527186>  
 2. Trademark registered by Johnson and Johnson

3. Committee for Medicinal Products for Human Use



## Therapeutic Indication – Covering the Unmet Medical Need (1/2)



Requested Therapeutic Indication to EMA  **Treatment of Schizophrenia in adults**

Doria® would be the **ONLY<sup>1</sup> Long-Acting Injectable Antipsychotic** that can be administered to **unstable patients** with severe or moderate psychotic symptoms suffering a relapse



*Dynamic market for LAIs<sup>2</sup>  
(new treatment and  
changes) represents ~72%<sup>3</sup>  
of total market*

- ✓ Dynamic market originating in hospitals
- ✓ In Germany and UK, around 72% of prescriptions in hospitals correspond to patients who start treatment with a LAI<sup>2</sup>
- ✓ Competitive advantage because of the potential unique indication of Doria®

<sup>1</sup> In the European Union  
<sup>2</sup> LAI: Long-Acting Injectable

<sup>3</sup> Source: IQVIA



## Therapeutic Indication – Covering the Unmet Medical Need (2/2)

Doria® has a **unique Pharmacokinetic profile** making the product suitable to treat stable schizophrenia patients as well as unstable schizophrenia patients requiring a fast onset of action

ACHIEVES FAST THERAPEUTIC  
PLASMA LEVELS<sup>2,3</sup>

NO LOADING DOSE/ORAL  
SUPPLEMENTATION NEEDED<sup>1-3</sup>

SUSTAINED THERAPEUTIC LEVELS  
ALLOWING A ONCE MONTHLY  
POSODOLOGY<sup>1-3</sup>



**PRISMA-3: DORIA® DEMONSTRATED EFFICACY IN  
SEVERE PATIENTS AS EARLY AS DAY 8<sup>1</sup>**

1. Correll CU, et al. Efficacy and safety of once-monthly Risperidone ISM® in schizophrenic patients with an acute exacerbation. NPJ Schizophr. 2020 Nov 25;6(1):37
2. Anta L, Llaudó J, Ayani I, Martínez J, Litman RE, Gutierro I. A phase II study to evaluate the pharmacokinetics, safety, and tolerability of Risperidone ISM multiple intramuscular injections once every 4 weeks in patients with schizophrenia. Int Clin Psychopharmacol. 2018 Mar;33(2):79-87.
3. Llaudó J, Anta L, Ayani I, Martínez J, Schronen J, Morozova M, Ivanov M, Gutierro I. Phase I, open-label, randomized, parallel study to evaluate the pharmacokinetics, safety, and tolerability of one intramuscular injection of risperidone ISM at different dose strengths in patients with schizophrenia or schizoaffective disorder (PRISMA-1). Int Clin Psychopharmacol. 2016 Nov;31(6):323-31.



## USA regulatory process – Where we are?



The recommended follow-up phases with the FDA<sup>1</sup> were covered:

- Pre-IND<sup>2</sup>
- IND<sup>2</sup>
- End of phase II
- Pre-submission meeting

FDA completed its filing review and determined that ROVI application is sufficiently complete to permit a substantive review. Application<sup>3</sup> considered filed 60 days after the application date

ROVI submitted the dossier to the FDA<sup>1</sup> on November 24, 2020

The user fee goal date is September 24, 2021

The indication pursued in the US is the same as all other LAIs<sup>4</sup> have, "Treatment of schizophrenia in adults"

1. FDA: Food and Drugs Administration  
 2. IND: Investigational New Drug

3. In accordance with 21 CFR 314.101 (a)  
 4. LAI: Long-Acting Injectable



## Product Launch (subject to obtaining the relevant authorisations)

- ✓ Due to the COVID-19 pandemic, the launch of the product would probably have been delayed until the market conditions were more favorable



Commercialization in Europe



Commercialization in USA

- ✓ Doria® expected to be launched in Europe in Q1 2022
- ✓ Germany and UK: first markets to enter
- ✓ 2021 operating revenue guidance (+20%-30%) not impacted by the delay of the Doria® launch

Q1 2022E

2022E

