



# // RENATA CURI

# **DIRETORA PROSPECTIVA**

Lawyer, she has been working in the area of innovation, partnerships and access in health for over 15 years. She holds a PhD in public policy from UFRJ. She was responsible for the Partnership and Innovation area at Fiocruz's Center for Technological Development in Health. She structured and coordinated the legal sector of Farmanguinhos, the official public laboratory. Founder of the consultancy CURIe – studies and projects in health. She participates as an advisor in international health projects, such as the Global Virome Project. She has published several scientific articles in national and international journals. She is a professor, speaker, and reviewer for health journals.

ORGANIZATION OF THE HEALTH SYSTEM



# **PUBLIC HEALTHCARE (SUS)**

# SUS IS A SOCIAL PRODUCT WITH OVER THREE DECADES OF DEBATE

- Creation with the Constitution of 1988. Largest public health system in the world.
- Health is everyone's right and a duty of the State, through public policies (art. 196).
- The operationalization of the system was regulated two years later, with the publication of the Organic Law of the SUS (8080/1990).
- Constitution allows the participation of private health.

# REDEMOCRATIZATION



SOCIAL PRESSURE FOR BETTER HEALTH CONDITIONS SANITARY WORKERS (ACADEMY AND PROFESSIONALS)

# **SYSTEM PRINCIPLES**





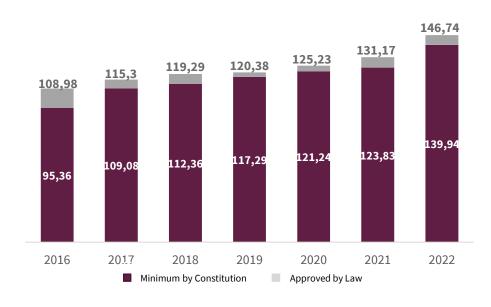




# **INVESTMENTS IN HEALTH - FEDERAL**

- No additional health investments ("Spending Cap")
- Pressure from demographic and epidemiological transitions
- Cost reduction/rationalization logic
- Municipalities pressured to compensate investments due to restrictions imposed by limited federal budget and state debts
- Reviewing of public policies seeking to reduce public spending and increase efficiency
- Strengthening agendas of health promotion, prevention and basic healthcare
- Less flexibility in negotiations with the industry

# **HEALTH FEDERAL BUDGET (BRL BI)**



Source: Prospectiva, based on federal budget. Data from 2022 Budgetary Law.



# **COST VERSUS VALUE**

- In Brazil, in a report published by Nurem/Anvisa, only 3% (three percent) of technologies approved in the country from 2004 to 2011 have shown some benefit to the patient health compared to existing therapies.
- Of the new drugs launched in this period, in Brazil, 97% (419 out of 433) did not have patent and/or did not prove any type of therapeutic gain in relation to the drugs that were already on sale in the Brazilian market

F: ANVISA, Efeitos da Resolução CMED n 02/04 no processo de análise de preços de novos medicamentos. Relatório Técnico, Brasília, DF



EVIDENCE-BASED DECISIONS

# **RISK SHARING AGREEMENT - AN OPPORTUNITY TO** THE BRAZILIAN PUBLIC HEALTH SYSTEM?

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Risk sharing agreements (RSAs) are arrangements between payers and manufactures submitting the price of a new health technology to its performance in practice. Considered as a form of Managed Entry Schemes, RSAs are among other innovative and horizontal approaches used by Public Health systems in order to manage limited budgets and uncertainties on technology whist promoting access to new medicines. In 2010, Brazil has spent 12,5% of its health budget in medicines against 5,8% in 2003. Moreover, Anvisa reports that 3% of the medicines approved from 2004-2010 brought some benefit comparing to the existent technologies.

# Objective

To analyze the feasibility of RSAs in the context of the Brazilian Health System, considering the advantages and challenges experienced by European Countries.

# Methodology

A study is being carried out to verify the application of RSAs in Brazil in three different contexts:

i Trastuzumab, for partial indications

ii Ranibizumab, not listed on the ground of lack of evidence on effectiveness and costeffectiveness

iii Cetuximab, currently under assessment.

# Results

The above treatments have at least one RSA in place in more than one country:

- In Italy, the MoH and Roche has an agreement in place to pay for Trastuzumab according to its performance in real conditions.
- For Ranibizumab, RSA assumes varies terms in UK, Italy, Netherlands and Portugal including payment for performance and monitoring registry.
- iii) Cetuximab is object of agreement around pre-agreed clinical outcome in UK and payment by results in Italy.

Reimbursement of Ranibizumab in Brazil was denied on grounds on price-comparing to Bevacizumab. The RSA in place for Ranibizumab adopts the form of a cap dosing agreement, where the MoH pays an agreed limit of dosages while the company assumes the cost if patient needs to continue the treatment. In Brazil, reimbursement of Cetuximab for head and neck cancer was denied on grounds of lack of cost-effectiveness. According to CONITEC. The results suggest that cetuximab shows efficacy for a very specific subgroup of patient. One of RSA roles is to reduce expenditure while also promoting rational use of medicines. In this case, the

RSA could establish the reimbursement by the Brazilian MoH only in those groups where the medicine was proven effective. According to ordinances 18 and 19 2012 da CONITEC, Trastuzumab is reimbursed either to the initial as well to the advanced phase of breast cancer. According to Petramale, 52,680 patients are expected to benefit from Trastuzumab, but this number doesn't distinct from initial or advanced cancer. The use of a biomarker to elect the patients who would benefit from the treatment does not consist a RSA. To configure an RSA the price of reimbursement should be linked to performance of Trastuzumab in real world defined by positive biomarker test.

# Conclusion

Despite the skepticism surrounding RSAs, especially concerning their financial and administrative burden, RSAs could be used to adjust prices of new technologies to their benefit in Brazil to promote access.

Trastuzumab was listed in Brazil for both initial and metastatic breast cancer. regardless of a lack of evidence of effectiveness, as an answer to the volume of lawsuits. RSAs may successfully address this.

The use of biomarkers to assess RWE in the Ranibizumab schemes could tackle the difficulties in choosing criteria and analyzing the outcomes.

For Cetuximab, the reimbursement process could impose an obligation for industry to rebate costs of any non-responders after 6 weeks, e.g. England.







# **Evidence-Based Decisions**





**REGISTRATION** 

**INCORPORATION** 

**PRICING** 

**AQUISITION** 

RISK SHARING AGREEMENT IN BRAZIL



# Risk Sharing agreements

"Unlikely traditional agreements, the price of the technology is linked to future events that are not fully known and based in real world evidence"

F: HAUEGEN, RC. Tese de doutorado, 2015

Appl Health Econ Health Policy (2016) 14:1–8 DOI 10.1007/s40258-015-0182-5



CURRENT OPINION

The End of the International Reference Pricing System?

Ulf Persson<sup>1,2</sup> · Bengt Jönsson<sup>3</sup>

Campillo-Artero and Kovacs BMC Health Services Research 2013, 13:181 http://www.biomedcentral.com/1472-6963/13/181



## **RESEARCH ARTICLE**

**Open Access** 

The use of risk sharing tools for post adoption surveillance of a non pharmacological technology in routine practice: results after one year

Carlos Campillo-Artero<sup>1\*†</sup> and Francisco M Kovacs<sup>2,3†</sup>

BRAZILIAN INIATIVES

# Brazilian Initiatives – Hep C

Por Monique Oliveira Gi

# 'Brasil só vai pagar por terapia da hepatite C após cura do paciente', diz ministro da Saúde

Segundo Ricardo Barros, acordo foi feito com fornecedores de medicamentos para a condição. País espera tratar e curar as 657 mil pessoas que vivem com hepatite C no Brasil e eliminar a doença até 2030



"A estratégia é o pagamento pela cura, e não pelo medicamento", disse Barros. "Também vamos estimular a concorrência para baratear o tratamento", completou.

Laboratório negocia teto de gasto para que SUS adote remédio que trata doença rara

Se o total de pacientes for maior que a projeção da marca, excedente seria gratuito







# Brazilian Initiatives – pilot Project Nusinersena

- Necessary six doses in the first year of treatment
- Judicialization: 106 patients were treated by order of Justice. In 2018, BRL 115.9
   million was spent on the purchase of Spinraza. (Federal Senate website)
- After Reimbursment decision, the technology must be available in 180 days
- Criteria for monitoring the evolution of treatment included *increasing life expectancy*, reducing the use of ventilation devices, and improving motor function and quality of life.

# Brazilian Initiatives – pilot Project Nusinersena

# Coverage with Evidence Development Coverage With EXPERIMENTUN Or AD EXPERIMENTUM

Torna pública a decisão de incorporar o nusinersena para atrofia muscular espinhal (AME) 5q tipo I, no âmbito do Sistema Único

CÏÊNCIA, TECNOLOGIA E INSUMOS ESTRATÉGICOS DO MINISTÉRIO DA SAÚDE, no uso de ës legais e com base nos termos dos art. 20 e art. 23 do Decreto 7.646, de 21 de dezembro de

Art. 1° Fica inc fia muscular espinhal 59 tipo I, no âmbito do Sistema Único de Saúde s, para pacientes com diagnos. enético confirmatório que não estejam em ventilação invasiva permanente. mecân

91° O endimento dos pacientes deverá ser realizado m centros de referência, com a disponibilização de multidisciplinares, avaliação da efetividad cuidado línica, conforme disciplinado no Protocolo Clínico e Diretrizes euticas.

§2° A CONITEC fará a read meorporação em 3 anos, contados a partir da publicação desta Portaria.

Art. 2º Conforme determina o art. 25 do Decreto 7.646/2011, o prazo máximo para efetivar a oferta ao SUS é de cento e oitenta dias.

Art. 3º O relatório de recomendação da Comissão Nacional de Incorporação de Tecnologias no SUS (CONITEC) sobre essa tecnologia estará disponível no endereço eletrônico: http://conitec.gov.br/.

<u>Art 4º Esta Portaria entra em vigor na data de sua publicação</u>



# Ordinance 1279/2019 MoH and Bill 667/2021

# **Brazilian Experience**

- 1. Risk-sharing agreement is the instrument for the reimbursement of health technologies entered into between the Ministry of Health and the pharmaceutical company that supplies the drug, due to uncertainties regarding:
- I the cost/effectiveness of the medication incorporated into the public system under real conditions; and
- II estimated consumption, considering the number of pills/doses and budgetary impact.
- 2. Objectives
- 3. Justification
- 4. Types
- 5. Criteria



# Donation

# Agreement 219/2020 Procedure

# 2. CLÁUSULA SEGUNDA – CRONOGRAMA DE ENTREGA

2.1 Cronograma de Entrega: MG/ML, SOLUÇÃO INJETÁVEL .

| Cronograma de entrega - |                            |        | ga – g/mL x 14mL   |
|-------------------------|----------------------------|--------|--|
| PARCELA                 | QUANTIDADE (Frasco-ampola) |        | Prazo máximo de entrega no almoxarifado das SES e/ou<br>do Ministério da Saúde |
| 1ª                      | 100%                       | 10.000 | Até 30 dias após a assinatura do contrato                                      |
|                         | 70%                        | 7.000  |  |
|                         | 30% (cessão não onerosa)   | 3.000  |  |
| 2ª                      | 100%                       | 10.000 | Até 30/09/2020   |
|                         | 70%                        | 7.000  |  |
|                         | 30% (cessão não onerosa)   | 3.000  |  |
| 3 <u>a</u>              | 100%                       | 5.580  | Até 30/12/2020   |
|                         | 70%                        | 3.906  |  |
|                         | 30% (cessão não onerosa)   | 1.674  |  |
| TOTAL                   | 100%                       | 25.580 |  |
|                         | 70%                        | 17.906 |  |
|                         | 30% (cessão não onerosa)   | 7.674  |  |

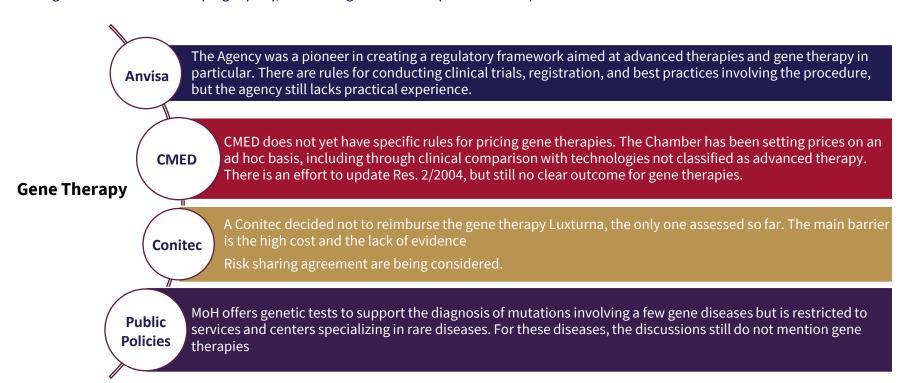
2.3. O objeto da cessão não onerosa, a despeito da sua gratuidade, não exonerará a CONTRATADA de arcar com todas as obrigações previstas neste instrumento contratual, inclusive quanto a local, forma e prazos de entrega, e quanto às responsabilidades sanitárias no atinente ao conteúdo, ao transporte e atendimento das demais normas pertinentes, especialmente àquelas emanadas pela Agência Nacional de Vigilância Sanitária — ANVISA, as quais devem ser fielmente e estritamente cumpridas, estando a CONTRATADA, também, sujeita à aplicação de sanções pela inobservância de quaisquer das obrigações contratuais pactuadas.

**GENE THERAPIES** 



# **OVERVIEW**

The agenda has been developing rapidly, but the high cost of the procedures represents a barrier to access.





# **RDC 505/2021 - REGISTER**

This measure is considered a step forward in regulating the registration of advanced therapies by Anvisa.

# **Product Classes Definitions**



- Advanced Therapy class I: advanced cell therapy product subjected to minimal manipulation and that performs a different function in the recipient from that performed in the donor.
- Advanced Therapy class II: advanced cell therapy product subjected to extensive manipulation, tissue engineered product, and gene therapy product.

# **General Guidelines**



- (I) Clinical trials of gene therapies conducted in Brazil need prior authorization from Anvisa.
- (II) The agency may require post-registration data on additional evidence (about quality, safety and efficacy) of products.
- (III) Advanced therapies involving Genetically Modified Organisms (GMO) necessarily need to be approved by the National Technical Biosafety Commission (CTNBio).
- (IV) It is not possible to register a product for a specific patient, in an imminent state of life.

# **Registration Prioritization**



# At least one of the criteria:

- Used for rare, neglected, emerging disease, for public health emergencies or in serious debilitating conditions and in situations where there is no therapeutic alternative available;
- Have a new therapeutic recommendation or expansion of use for the pediatric population;
- Have had the conduction of clinical trials phase I or II in national territory.



# **EVOLUTION OF DISCUSSIONS - INCORPORATION OF TECHNOLOGIES AND ADVANCED THERAPY**

Topic points under discussion in the new regulation of CMED directly impact the pricing of gene therapies. Despite the uncertain outcome, entities' positions are repeated and suggest some possibilities that can be adopted in the new resolution.

# Pricing Criteria for Advanced Therapy

- points out the problem, but do not point out a concrete way to solve it.
- Creates of a new product category, but with the same pricing rule as for Category I.

**Category I:** New product with patent and that brings therapeutic gain in relation to drugs for the same indication.

**Criteria:** Price cannot be higher than: Australia, Canada, Spain, USA, France, Greece, Italy, New Zealand, Portugal.

# **Countries pool**

The Resolution provides that prices cannot be higher than the <u>lowest price</u> within the countries pool, but the industry has suggested new formats:

- **1. Exclusion of the manufacturer price** in the country of origin of the pool.
- **2. Average of prices** charged in the pool of countries instead of the lowest price.
- 3. Exclusion of countries in economic crisis or that have government subsidies for drugs from consideration.

# **Analysis Deadlines**

- Faster analysis deadlines for technologies aimed at rare diseases, in line with Anvisa's fast-track resolutions that facilitate the process (RDC 204/2017 and RDC 205/2017).
- Clearer criteria for delaying deadlines, in cases where the CMED finds great complexity in the technology analysis.
- Sui generis changes in deadlines for each pricing category.



# **Legal Grounds**

- Ordinance 1279/2019 Ministério da Saúde
- Law n° 8666/1993 Public Purchasing
- Law n° 14.133/2021 Public Purchasing
- Ordinance of CED
- Science, Technology and Innovation Law



# Act 141333/2021

# **Legal Grounds**

- Cooperation Narrative change;
- Different competition models
- Extended term 1, 5, 10 years (especially if strategic for the MoH
- the market can "propose and carry out studies, investigations, surveys and projects of innovative solutions that contribute to issues of public relevance"
- Contracting Efficiency;
- Prior negotiations
- Confidentiality in certain phases



# Considerations

- Stronger Health Technology Assesment prior to the agreement
- MoH Guideline: Governance and procedure
- Capacity building: dedicatedy and interdisciplinary team
- Data Collection
- Compliance
- Economic Balace
- Transparence
- Flexibilities: Different Models and flexilble terms for each of them
- Industry Support in structuring the program
- Industry finantial support besides the Risk also in the execution
- Program assessment and review

QUESTIONS AND DISCUSSIONS



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