



چهارمین کنگره دوسالانه
استاد امیر حکیمی
The 4th Pediatric Congress
Professor Amirhakimi

بزرگوارکننده:
انجمن متخصصین کودکان استان فارس
گروه کودکان دانشگاه علوم پزشکی شیراز

رئیس هیأت مدیره: دینعلی کنگره
نایب رئیس هیأت مدیره: دکتر سید محسن دهقان
دبیر اجرایی کنگره: دکتر حمید محمدی
دبیر هیأت مدیره: دکتر حمید محمدی

دارای ۲۰ امتیاز
بازآموزی مدون

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ارسال پوستر و سایر اطلاعات تکمیلی
www.amirhakimi.farsped.com

تلفن های تماس با دبیرخانه علمی کنگره
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مجری برگزاری: **زوسپا**

سازمان تخصصی کودکان ایران - فدراسیون فارس
Fars Pediatric Association
FPA
Fars Pediatric Association

Antibiotics

Abdolvahab Alborzi

Professor of Pediatric Infectious Disease

Department of Pediatrics





- Antibiotic resistance factors

Antibiotic resistance factors

- Overuse and misuse of antibiotics are the primary risk factors for antibiotics resistance.
- Inadequate professional competence among primary care physicians may worsen the issue.
- Enhancing primary care physicians understanding and application of appropriate antibiotic usage can decreased antibiotic resistance.
- This risk is not only for the individual taking the antibiotic, but there is also a risk of spread of resistant bacteria to close personal contacts



- Causes of Inappropriate antibiotics uses

Causes of Inappropriate antibiotics uses

- Inappropriate use was further categorized into four groups:
 1. unnecessary use
 2. Incorrect spectrum of antibiotic
 3. Overuse of extended spectrum antibiotics
 4. Combined use of antibiotics

Distribution of antibiotic prescriptions stratified by antibiotic group and appropriateness of use.

Antibiotic group	Total	Appropriate use, n(%)	Inappropriate use, n (%)		
			Escalated use of extended spectrum	Incorrect spectrum	Unnecessary use
Penicillins	38,462 (51.5)	5,981 (15.6)	0 (0)	0 (0)	32,481 (84.4)
Cephalosporins	10,757 (14.4)	0 (0)	1,641 (15.3)	0 (0)	9,116 (84.7)
Macrolides	10,574 (14.2)	355 (3.4)	0 (0)	1,318 (12.5)	8,901 (84.2)
Quinolones	4,693 (6.3)	0 (0)	0 (0)	2,168 (46.2)	2,525 (53.8)
Lincosamides	4,732 (6.3)	0 (0)	0 (0)	0 (0)	4,732 (100)
Nitroimidazoles	3,687 (4.9)	288 (7.8)	0 (0)	0 (0)	3,399 (92.2)
Aminoglycosides	1,743 (2.3)	0 (0)	0 (0)	198 (11.4)	1,545 (88.6)
Total	74,648	6,297 (8.4)	1,641 (2.2)	3,684 (4.9)	63,026 (84.5)



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- **Who Are Responsible for Misused antibiotics?**



Who Are Responsible for Misused antibiotics?

1. Physician
2. Patients
3. Family
4. pharmacist



- Presentation of Viral Infections in Children

Presentation of Viral Infections in Children

- 100% of colds.
- 95% of new coughs
- 95% of fevers
- 80% of sore throats
- 90% of pneumonia.
- 99% of diarrhea and vomiting
- Note: There are a few anti-viral drugs that can treat viral infections. An example is Tamiflu used for severe influenza.



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- The ways of better feeling without antibiotics



The ways of better feeling without antibiotics

Ask your doctor or pharmacist about ways to feel better if an antibiotic isn't needed



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- How we can Measuring Outpatient Antibiotic Prescribing?

How we can Measuring Outpatient Antibiotic Prescribing?

- Quality measures for outpatient antibiotic prescribing can be used by clinicians, healthcare systems, health plans, and public health to determine if antibiotic prescribing patterns meet appropriateness standards.



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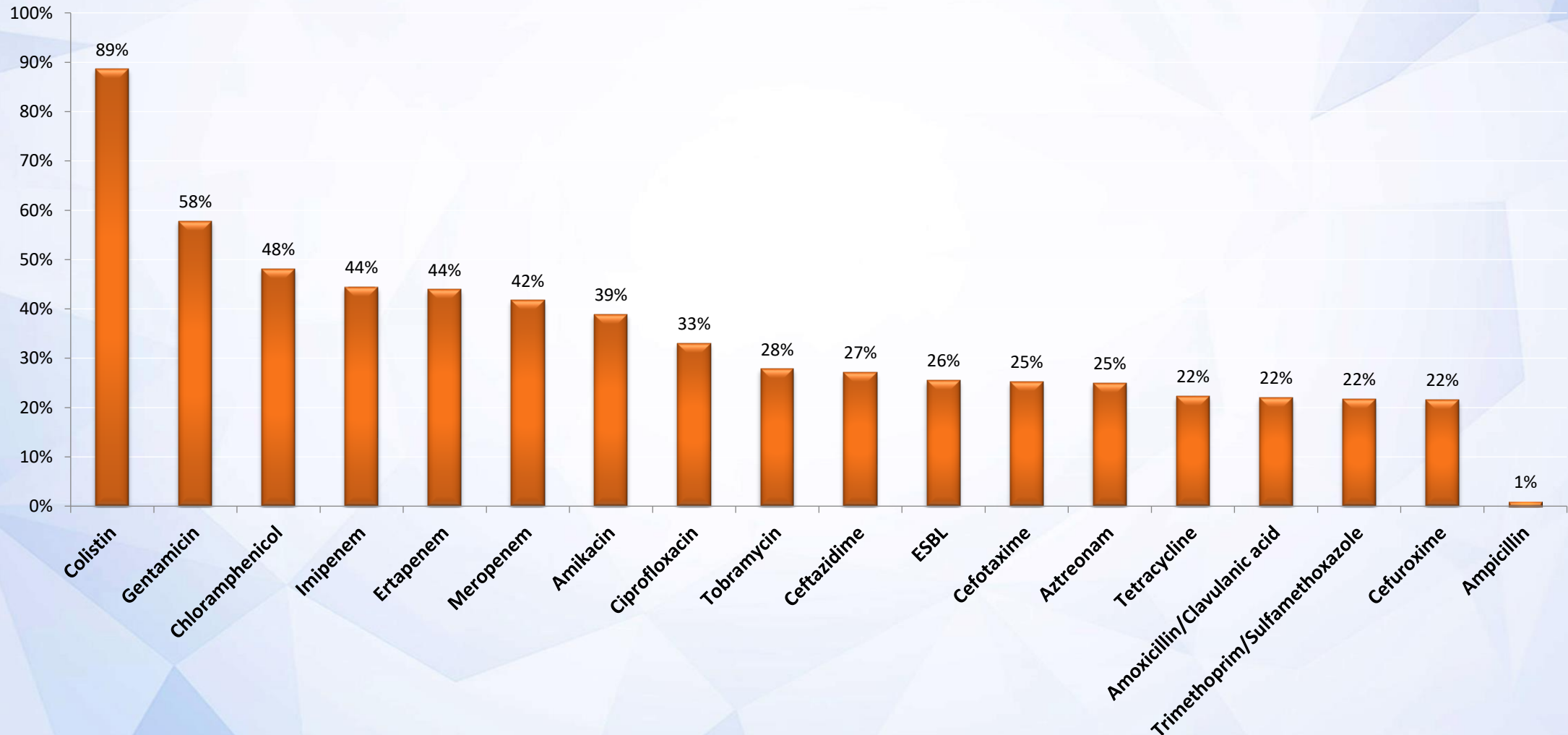


- Show Few Antibiograms Of Shiraz Bacteria

Susceptibility Pattern of 35 *Acinetobacter* sp. Isolated From Blood Culture, Nemazi Hospital. 2023



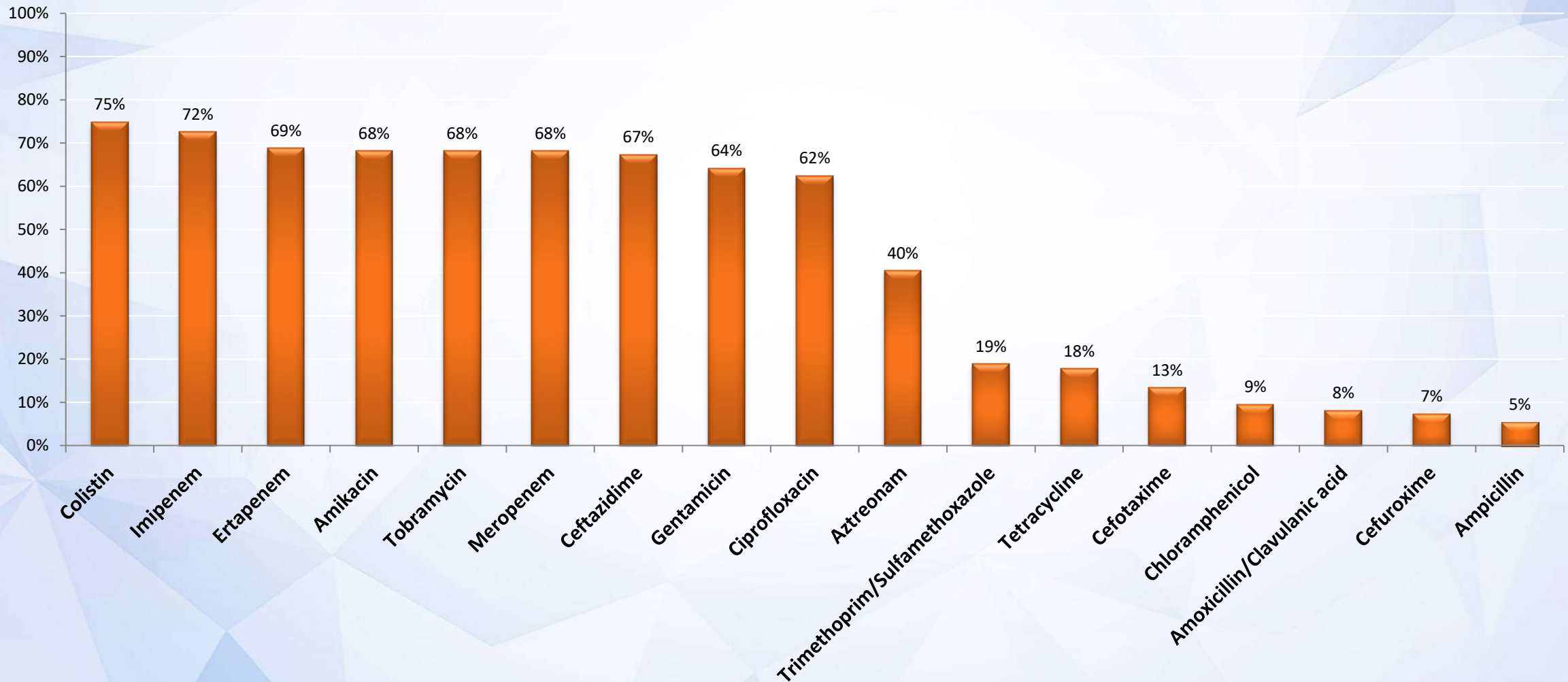
Susceptibility Pattern of 109 Klebsiella sp. Isolated From Blood Culture, Nemazi Hospital. 2023



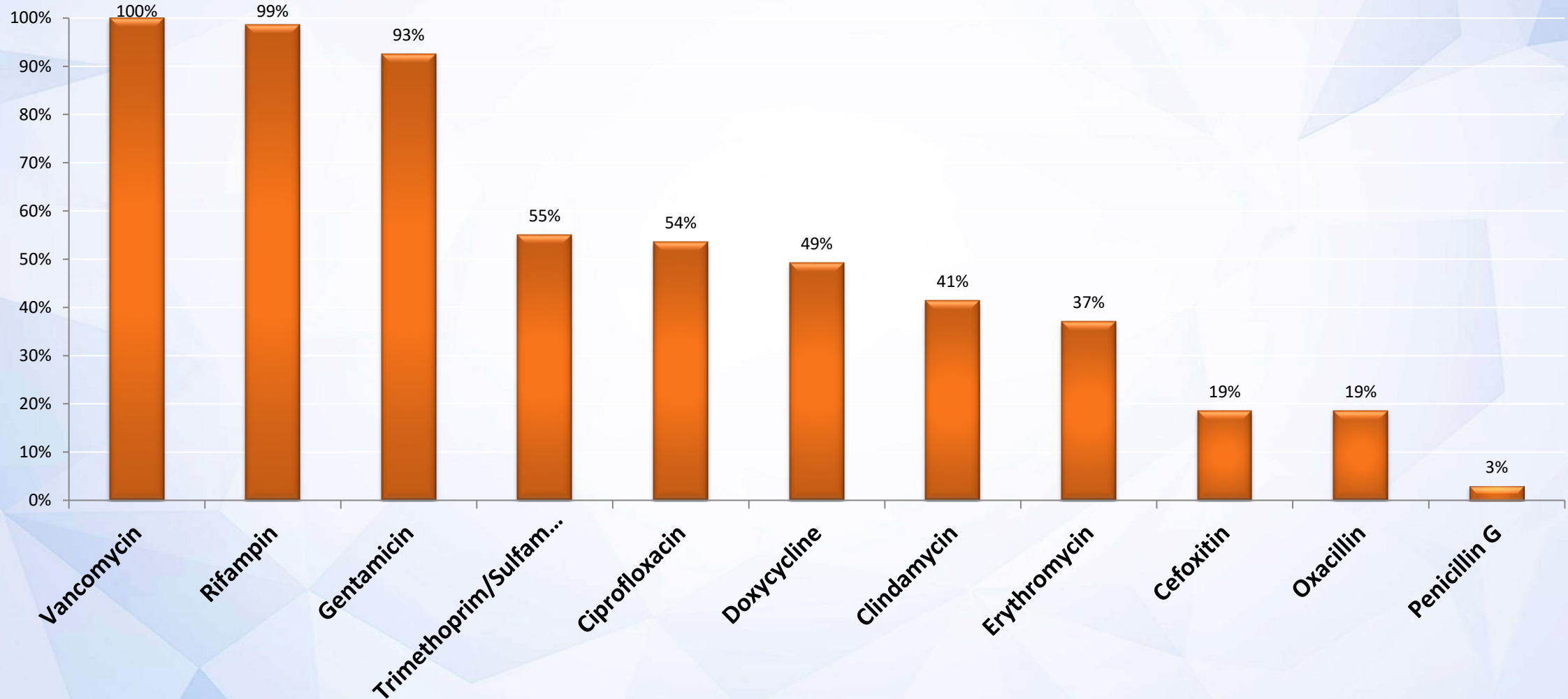
Colistin Resistance Klebsiella sp. isolated from Blood Culture In Nemazi Hospital 2018-2023

- 55 blood isolate were colistin resistance klebsiella sp.
- All MDR
- 25 isolated were XDR
- 14 isolated were PDR (all died)
- Mortality rate were 64%

Susceptibility Pattern of 76 Pseudomonas sp. Isolated From Blood Culture, Nemazi Hospital. 2023



Susceptibility Pattern of 79 Staphylococcus aureus Isolated From Blood Culture, Nemazi Hospital. 2023



Susceptibility Pattern of 44 Enterococcus sp. Isolated From Blood Culture, Nemazi Hospital. 2023

susceptibility of Enterococcus spp. in 2023

