

## #01 Selection the right Vascular Access Device for the patient

### Transcript:

00:00:00 **Servane Pelle-Lombardy**

Hello, everyone, and welcome to the BD IV News podcast, and more specifically to our special series, Vascular Access Insights.

It's my great pleasure to kick off this initial nine-part series today with you.

Whether you're a clinical nurse, a vascular access specialist, or a clinician looking to sharpen your skills, it has been packed with essential tips, real-world strategies, and expert insight to help you make smart decisions and support safer, more effective vascular access care.

We are here to support and empower your practice one episode at a time.

In this first episode, we'll dive into a central question.

How do you choose the right vascular access device?

The one that fits your patient needs, lasts the full course of therapy, and keeps complication risks as low as possible.

I'm your host, Servane Pelle-Lombardy, Associate Director for Medical Affairs for BD's MDS EMEA, and I'm now very happy to welcome 2 experts who bring a wealth of clinical experience to discuss this crucial topic.

Hello, dear Professor Piriou

Nice to have you.

How are you doing?

00:01:17 **Prof. Vincent Piriou**

Hello, Servane

00:01:19 **Servane Pelle-Lombardy**

So, Professor Vincent Piriou, you're an anesthesiologist and critical care physician, and you are currently the president of the medical committee at Hospital Hospice Civil de Lyon in France.

And welcome also to you, Noemi.

00:01:34 **Noemí Cortés Rey**

Hello, hello Servane, hello, Vincent.

Hello everyone.

00:01:38 **Servane Pelle-Lombardy**

Happy to have you with us as well.

You're a nurse training and teaching supervisor currently at the University Hospital of A coruna in Spain.

In hospital today, almost 9 out of 10 patients get IV therapy.

And also in home care, health care, IV therapy is one of the most common services now, especially for antibiotics, hydration, chemotherapy.

So vascular access is not just common I mean, it's everywhere.

So both of you, considering the diversity today of vascular access device options and the individuality of patient conditions, what are the key factors that guide an appropriate device selection from your perspective?

00:02:25 **Prof. Vincent Piriou**

The choice of vascular access is of major concern.

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It's a very common procedure in all our hospitals, but it's often underappreciated in terms of risk.

And the choice of the good device for the good patient will impact complication, hospital stay, and hospital satisfaction.

What do you think, Noemi?

00:02:49 **Noemí Cortés Rey**

Yeah, I totally agree with you.

I think, as you commented before, just because it's common doesn't mean it's simple or without risk.

Vascular access can lead to complications.

This can be very serious to patients.

At this moment, in my health area, we try more and more to avoid disrupting people's lives.

So we are increasingly promoting outpatient and home-based care, even if they need IV treatment.

And of course, I think it's always best to be proactive and work on planning and preventing problems before they happen.

So maybe Vincent, we might comment on some key aspects when choosing the right device for a person.

What do you think about?

00:03:40 **Prof. Vincent Piriou**

I think that the key to choose a good device for the good patient is first to set up a vascular access team.

It is very important because it will help to standardize a critical pathway for patients, it will help to reduce side effects of the device, and their mission should include device placement, obviously training, training of patient and training of nurse, home care as well, and to open hotline support for any adverse event.

And by this vascular access team, we will build a risk management strategy to help to improve the good choice of the device.

00:04:33 **Noemí Cortés Rey**

Right, as you said, I think we need to consider several factors related to type and duration of therapy, also patient clinical condition.

But also we need to take into account the type of the devices available in our facilities and of course the expertise of the professionals involved.

I think nowadays it's crucial to include the patient's perspective as well and understand that they have a personal context that works for one person, might not work for another.

And shared decision making is especially important when we're talking about devices that are going to be in place for the medium or long term especially.

I think combining all these aspects can be tricky, right?

And we need, as you said, well-trained staff who feel confident in helping to make these choices.

How do you think we could help clinicians with the decision making Vincent?

Some practical tips, maybe?

00:05:42 **Prof. Vincent Piriou**

Yes, I think it is very important to involve the patient.

The patient has to be an active actor, you know.

They should play an active role in the selection of their vascular access device and an active role in understanding the benefit and potential risk associated with each option.

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Patient education is then essential.

And every patient needs to be informed and involved in the choice of the device.

00:06:16 **Noemí Cortés Rey**

Yeah.

Those are great practical tips.

In our case, in my hospital, we began this journey of the vascular access by joining a national project to promote best practices in management.

So for us, it was an opportunity to create a dedicated working group.

We updated our protocols, improved our decision-making toolkits.

And I really have to say that we had a strong support from our hospital leaders, which I think it's essential if you want success in this project.

They understand that vascular access is not just a technical task, that it's safety and quality for our patients.

And now we are expanding our services.

We have a vascular access team who offers cross-functional to carry out all the roles in the whole context.

For now, it's starting gradually.

And at this moment, it's centering palliative care, home care, oncology, and it will continue to grow and expand over time.

Also, we have expert staff in only critical care units.

And this team not only supports patient care but also offers training and guidance to all the staff.

I think this approach really helped us to grow in a reasonable way and sustainable.

So to wrap up, Vincent, what would you say?

00:07:53 **Prof. Vincent Piriou**

I think it's very important to establish protocol validated by the vascular access team and prescriber as well.

And the future will be to develop by artificial intelligence and real-world data, some new protocol based on artificial intelligence.

00:08:15 **Noemí Cortés Rey**

Yes, another takeaway is apart from that hospital-wide strategy and policy, we have to put the patient in the focus always and to have the expert staff, expert professionals need proper training, having them the right tools and knowing that they are supported.

So I think it's really all about setting people up for success.

00:08:49 **Prof Vincent Piriou**

Okay, we leave Servane to conclusion.

00:08:52 **Servane Pelle-Lombardy**

Thank you.

Thank you so much to both of you, dear Noemi, dear Vincent, for joining today and breaking things down very clearly, actually, and very practically.

And I'm sure our listeners are walking away with some real takeaway they can use right away, which I could summarize as follows.

Foremost, the right vascular access device selection is really critical from the beginning of the patient's journey with his or her IV therapy.

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It's very important to select the right device it's a matter of preservation of vessel health by selecting the least invasive device that will meet the clinical needs.

Second, building, I think you've said that referring as well to selection tools such as the evidence-based algorithm or protocols that have been validated with prescribers is a game changer.

And true excellence comes with the creation of a multidisciplinary vascular access team.

The expertise of the staff is key.

So the excellence will go through the Vascular Access team, but all staff should be experts, not only the ones who are choosing the right device or placing these lines according to best practices and procedures, but also all the clinicians who care on a daily basis for the lines is pivotal and they have to be very knowledgeable and trained on a regular basis on best practices, care and maintenance.

Last but not least, make sure the patients understand their device, the care instructions and the signs of complications potentially so as to really identify at very early stage, not only, but especially when they have to go home and be treated there.

So they have to be involved basically every step of the way.

Thanks again to all of you for tuning in.

We invite you to join us for our upcoming episode in which we will conduct a comprehensive exploration of the PVAD placement techniques.

And you are the Vascular Access Management Ambassadors, the VAMBassadors.

Good access saves lives.

Stay connected.

And until then, take care and speak soon.